

For Official Use.

MONTHLY RETURN
OF THE
Births, Deaths, and Marriages
IN
Sixteen of the Principal Towns of Scotland
JANUARY 1928.

Published by Authority of the Registrar-General.

REPORT

During the month of January 1928 there were registered in the Sixteen Principal Towns of Scotland, those burghs which at the date of the 1921 Census had populations of over 30,000, the births of 4361 living children, of whom 2208 were males, and 2153 were females. Compared with the number registered in the previous month, that of male children is 79 more, of female children 142 more, and of both sexes 221 more. The monthly birth-rate of these towns taken collectively was 21·3 per thousand, which rate is 1·0 more than that of the previous month, but 0·3 less than the January average.

In the individual towns the monthly birth-rate averaged 21·1, and varied from 26·5 per thousand in Greenock, 23·7 in Coatbridge, 23·6 in Ayr, and 23·5 in Clydebank, to 14·1 in Kirkcaldy, 17·6 in Edinburgh, and 18·3 in Dunfermline. In Glasgow this rate was 23·0, in Kilmarnock 22·8, in Hamilton 22·7, in Aberdeen 22·2, in Motherwell and Wishaw 21·9, in Falkirk 21·0, in Paisley 18·8, in Dundee 18·6, and in Perth 18·6.

Of the 4361 living children whose births were registered during the month, 4085, or 93·7 per cent., were legitimate, while 276, or 6·3 per cent., were illegitimate. The legitimate children of the month numbered 218 more than those of the previous month, and the illegitimate children 3 more. The illegitimate rate of the month, 6·3 per cent., is 0·3 less than that of the previous month. In the individual towns the illegitimate rate varied from 9·4 per cent. in Aberdeen, 8·2 in Kirkcaldy, 7·9 in Coatbridge, and 7·6 in Dundee, to 3·1 in Motherwell and Wishaw, 3·3 in Greenock, 3·4 in Dunfermline, and 3·8 in Perth.

Marriages registered in these towns during the month numbered 2196, and equalled a marriage-rate of 10·7 per thousand. This number is 306 more than in the previous month. This rate is 1·4 more than in the previous month, and 0·5 more than the January average. In the individual towns the monthly marriage-rate averaged 9·1, and varied from 15·4 per thousand in Falkirk, 12·2 in Glasgow, 12·0 in Coatbridge, 11·4 in Dundee, and 10·5 in Edinburgh, to 5·6 in Dunfermline, 6·9 in Hamilton, and 7·0 in Paisley and in Clydebank.

NOTE.—The averages used for comparison are the means of the same rates in the corresponding months of the three preceding years.

Deaths registered in these towns numbered 4125, of which 2065 were of males, and 2060 of females. Deducting the deaths of persons with usual residence in Scotland but outwith the town of registration, and adding those of persons dying elsewhere in Scotland but with usual residence in one or other of these towns, the corrected number is found to be 3896, and to include the deaths of 1928 males and 1968 females. The corrected number of deaths is 187 more than that of the previous month.

The monthly death-rate in these sixteen towns taken collectively and based on the corrected number of deaths was 19.0 per thousand. This rate is 0.8 more than that of the previous month, and 3.2 more than the January average. In the individual towns the monthly death-rate averaged 16.7, and varied from 22.7 in Greenock, 20.9 in Glasgow, and 19.7 in Falkirk, to 11.5 in Hamilton, 11.6 in Motherwell and Wishaw, and 13.3 in Dunfermline. In Dundee the monthly death-rate was 18.9, in Coatbridge 18.9, in Edinburgh 18.7, in Aberdeen 18.6, in Perth 18.2, in Kirkcaldy 16.9, in Paisley 15.3, in Kilmarnock 15.2, in Clydebank 13.8 and in Ayr 13.5.

Deaths of children of less than one year old numbered 605, and equalled an infantile mortality rate of 142 per thousand of the average number of births registered monthly in these towns during the preceding twelve months. These deaths number 18 fewer than in the previous month. This rate is 4 less than in the previous month, but is 28 more than the January average. In the individual towns the infantile mortality rate of the month averaged 130, and varied from 226 per thousand in Falkirk, 200 in Greenock, 169 in Dundee, and 166 in Glasgow, to 66 in Hamilton, 88 in Motherwell and Wishaw, 89 in Dunfermline, and 90 in Edinburgh. In Perth this rate was 163, in Coatbridge 134, in Kilmarnock 121, in Kirkcaldy 117, in Clydebank 116, in Ayr 115, in Aberdeen 110 and in Paisley 107.

Deaths from the principal epidemic diseases numbered 362, and equalled a death-rate of 1.8 per thousand. These deaths collectively numbered 4 more than in the previous month, and 155 more than the January average. They included 1 from enteric fever, 192 from measles, 11 from scarlet fever, 58 from whooping-cough, 57 from diphtheria, and 43 from the diarrhoeas of childhood. Compared with the number in the previous month, deaths from whooping-cough are 9 more, from diphtheria 6 more, and from scarlet fever 2 more, but those from the diarrhoeas of childhood are 11 fewer, from measles 1 fewer, and from enteric fever 1 fewer. Of the 192 deaths from measles registered during the month, 167 occurred in Glasgow.

Deaths from influenza in all numbered 60, which is the same as in the previous month, but is 28 more than in November last, and 23 more than in October last.

Deaths from respiratory diseases other than phthisis, but exclusive of those associated with influenza, numbered 927, which is 49 more than in the previous month. These deaths equal a death-rate of 4.5 per thousand, which rate is 0.2 more than in the previous month, and 1.3 more than the January average.

Deaths from all forms of tuberculous disease numbered 221, of which 159 were attributed to tuberculosis of the respiratory system. The former number is 5 less than in the previous month, and 18 less than the January average. The latter number is 14 less than in the previous month, and 19 less than the January average.

METEOROLOGICAL NOTES supplied by the Meteorological Office, Edinburgh.

JANUARY 1928.

Mean barometric pressure, 29.551 in.; less than the average of 1881-1915 by 0.317 in.

Mean temperature, $40^{\circ}2$; greater by $2^{\circ}2$.

Mean daily range of temperature, $9^{\circ}4$; greater by $0^{\circ}6$.

Rain, depth in inches, 7.77 ; greater by 4.56 in.

Wind, direction of: a 10 days' excess of winds from south and south-west.

With a rapid succession of depressions, travelling as a rule eastwards to the north of Scotland, the month was of an almost continuously mild and stormy type. The stormiest periods were, perhaps, around 6th, when a depression moved from the Hebrides to Denmark; around 10th; and from 20th to 25th. At Edinburgh, at mean sea-level, the extremes were 30.26 in. on 1st and 28.94 in. on 15th.

December 1927 had been extremely cold and temperature was low on 1st January 1928 and in northern districts for a day or two thereafter. (8° at Braemar and 11° at Eskdalemuir on 1st.) On 5th there was an influx of very warm air (59° at Turnberry) and at no time was there any really cold spell, though touches of cold occurred in the fair periods between the depressions. The month was the sixth January in succession with a mean temperature appreciably above the normal.

Rainfall was everywhere excessive and wide areas had considerably more than twice the normal. At Cargen, near Dumfries, the total (11.83 in.) was the heaviest recorded in any month since observations commenced there in 1860; at Greenock (15.52 in.) the month was much the wettest January for at least 60 years; and at Edinburgh it was the wettest January since 1877. In Central Perthshire, West Inverness-shire, and Argyllshire, considerable areas had more than 20 in., with as much as 26.15 in. at Achaidh Burn in the Loch Katrine area and 25.05 in. at Ardtornish on the Sound of Mull. Many places had rain on every day, and wide areas only one or two rainless days. The month was notable for the persistence of wet weather rather than for very heavy individual falls. The wettest periods were around 5th, from 9th to 12th, around 18th, and from 23rd to 27th. Falls of about 2 in. occurred at Ardtornish on 1st and at Kinlochquoich on 11th and 12th.

Wind reached gale force on many days in most districts, with a velocity of 87 miles per hour at Lerwick on 24th. Early in the month wintry weather was experienced in the north, and roads were blocked with snow, and on 11th snow fell rather widely. Rivers were at times in high flood, and around 22nd serious damage occurred, notably in the Blairgowrie district and at Ballater, where the Dee burst its banks.

Thunder occurred, locally or over wide areas in the west, on as many as 18 days. Towards north-east and in south none was reported; early on 11th a sharp storm was experienced in some eastern districts; and in the west storms occurred somewhere on each day from 7th to 14th, and almost daily from 23rd onwards.

With a few bright days amongst many cloudy ones, sunshine aggregates were fully equal to the normal.

Aurora was observed in Shetland on 8th, 22nd, 26th, 27th and 28th; at Aberdeen on 26th and 27th.

NOTE.—The mean values refer to those of the Principal Towns named in meteorological Table on p. 8.

Abstract.

TABLE I.—ABSTRACT OF BIRTHS, DEATHS, AND MARRIAGES
in the Principal Towns, JANUARY 1928.

TOWNS.	POPULATION.		BIRTHS.					MARRIAGES.	DEATHS.					
	Census 1921.	Estimated to middle of 1928.	Males.	Females.	Total.	Legiti-mate.	Illegiti-mate.		Males.	Females.	Total.	Out.	In.	Total Corrected.
GLASGOW,	1,051,518	1,060,500	1068	996	2064	1929	135	1097	1038	973	2011	176	46	1881
EDINBURGH,	420,264	426,300	326	311	637	599	38	379	359	390	749	91	17	675
DUNDEE,	168,815	174,800	136	139	275	254	21	169	141	153	294	17	3	280
ABERDEEN	158,963	153,500	145	153	298	270	28	132	114	138	252	30	28	250
PAISLEY,	84,837	87,900	68	72	140	132	8	52	56	65	121	7	0	114
GREENOCK,	81,123	80,200	89	91	180	174	6	53	76	85	161	9	2	154
MOTHERWELL AND WISHAW,	68,869	70,100	64	66	130	126	4	48	26	29	55	0	14	69
CLYDEBANK,	46,601	48,600	50	47	97	92	5	29	19	13	32	1	26	57
COATBRIDGE,	43,919	44,300	44	45	89	82	7	45	37	29	66	1	6	71
DUNFERMLINE,	39,899	38,200	31	28	59	57	2	18	25	27	52	15	6	43
KIRKCALDY,	39,591	41,100	23	26	49	45	4	31	31	33	64	7	2	59
HAMILTON,	39,504	41,100	37	42	79	75	4	24	17	17	34	6	12	40
KILMARNOCK,	35,911	37,400	30	42	72	68	4	24	26	24	50	10	8	48
AYR,	35,763	37,500	35	40	75	71	4	24	23	28	51	9	1	43
FALKIRK,	33,308	36,000	36	28	64	60	4	47	38	23	61	4	3	60
PERTH,	33,208	33,700	26	27	53	51	2	24	39	33	72	21	1	52
TOTAL . . . (SIXTEEN TOWNS)	2,381,593	2,416,200	2208	2153	4361	4085	276	2196	2065	2060	4125	404	175	5896

TABLE II.—BIRTH-RATES, DEATH-RATES, AND MARRIAGE-RATES
in the Principal Towns, JANUARY 1928.

TOWNS.	Birth-Rate per 1000 of Population.	Illegitimate Birth-Rate per 100 Births.	Marriage-Rate per 1000 of Population.	DEATH-RATES PER 1000 of POPULATION FROM					DEATHS UNDER ONE YEAR OF AGE.				
				All Causes.		Regis-tered.	Corr. for Trans-fers.	Principal Epidemic Diseases.	All Tubercu-losis.	Tuber-closis, of Respiratory System.	All Re-spiratory Diseases.		
GLASGOW,	23.0	6.5	12.2	22.4	20.9	2.9		0.2	0.2	0.9	5.2	332	166
EDINBURGH,	17.6	6.0	10.5	20.7	18.7	0.8		0.8	0.8	0.7	4.3	58	90
DUNDEE,	18.6	7.6	11.4	19.9	18.9	0.9		0.9	0.9	0.5	5.1	50	169
ABERDEEN,	22.2	9.4	9.8	18.8	18.6	0.6		1.5	0.8	2.8	3.0	30	110
PAISLEY,	18.8	5.7	7.0	16.2	15.3	1.7		0.8	0.5	4.2	16	107	
GREENOCK,	26.5	3.3	7.8	23.7	22.7	1.3		1.9	1.0	6.3	31	200	
MOTHERWELL AND WISHAW	21.9	3.1	8.1	9.3	11.6	0.2		0.2	0.2	3.0	11	88	
CLYDEBANK,	23.5	5.2	7.0	7.8	13.8	2.4		0.7	0.2	2.9	10	116	
COATBRIDGE,	23.7	7.9	12.0	17.6	18.9	1.9		1.1	0.5	2.9	13	134	
DUNFERMLINE,	18.3	3.4	5.6	16.1	13.3	0.3		0.9	0.6	1.2	5	89	
KIRKCALDY,	14.1	8.2	8.9	18.4	16.9	0.6		1.1	0.9	2.6	7	117	
HAMILTON,	22.7	5.1	6.9	9.8	11.5	0.0		0.9	0.9	3.2	5	66	
KILMARNOCK,	22.8	5.6	7.6	15.8	15.2	0.3		0.6	0.3	4.4	8	121	
AYR,	23.6	5.3	7.6	16.1	13.5	0.0		0.6	0.3	4.4	7	115	
FALKIRK,	21.0	6.3	15.4	20.0	19.7	2.0		0.3	0.3	5.6	14	226	
PERTH,	18.6	3.8	8.4	25.2	18.2	1.1		2.1	1.8	3.2	8	163	
TOTAL . . . (SIXTEEN TOWNS)	21.3	6.3	10.7	20.2	19.0	1.8		1.1	0.8	4.5	605	142	

* Based on the average number of births registered monthly during the past 12 months.

TABLE III.—BIRTH-RATE, DEATH-RATE, &c. FOR JANUARY 1928, and for the Corresponding Month of the Preceding Ten Years, in the PRINCIPAL TOWNS.

MONTH.	Birth-Rate.	Illegitimate Birth-rate per 100 Births.	Marriage-Rate.	Death-Rate.	DEATHS FROM								* Infantile Mortality Rate.	Mean Temperature. Seven Towns only.
					Enteric Fever.	Smallpox.	Measles.	Scarlet Fever.	Whooping-Cough.	Diphtheria.	Diarrhoea (Under 2 Years).	(13)		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(14)	(13)	(14)
JAN. 1928, .	21.3	6.3	10.7	19.0	1	0	192	11	58	57	43	142	40°.2	
JAN. 1927, .	20.9	6.1	9.7	15.7	0	0	10	8	32	31	38	117	39°.5	
JAN. 1926, .	22.1	6.3	10.6	15.1	1	0	73	15	28	29	23	96	40°.0	
JAN. 1925, .	21.8	6.3	10.2	16.8	3	0	72	17	168	45	29	123	40°.9	
JAN. 1924, .	23.9	6.7	9.6	17.6	2	0	217	17	91	31	35	130	39°.2	
JAN. 1923, .	25.9	6.5	11.7	16.2	2	0	84	25	67	33	31	109	42°.6	
JAN. 1922, .	28.6	7.0	11.2	33.6	3	0	296	21	123	39	48	206	37°.0	
JAN. 1921, .	26.1	7.0	15.9	16.9	1	7	18	18	60	34	66	113	41°.8	
JAN. 1920, .	34.1	6.9	16.6	16.9	4	0	65	8	20	39	37	128	38°.7	
JAN. 1919, .	20.3	10.7	11.4	18.4	1	0	10	9	110	44	29	152	37°.2	
JAN. 1918, .	20.1	8.2	10.9	16.9	2	0	105	6	79	32	44	124	36°.3	

Figures in columns 5-13 have been corrected for non-resident deaths.

* Per 1000 of the average number of births registered monthly during the past 12 months.

AGGREGATE OF THE SIXTEEN PRINCIPAL TOWNS—January 1928.

CAUSES OF DEATH.	Total.	Males.	Females.	Age.											
				-1	1-	5-	10-	15-	25-	35-	45-	55-	65-	75-	85 & over
Enteric Fever	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1
Typhus Fever	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Small-pox	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Measles	—	—	—	—	192	98	94	54	134	2	1	—	—	—	—
Scarlet Fever	—	—	—	—	11	6	5	—	8	2	1	—	—	—	—
Whooping-cough	—	—	—	—	58	30	28	24	31	3	—	—	—	—	—
Diphtheria	—	—	—	—	57	32	25	7	30	16	1	—	—	—	—
Influenza	—	—	—	—	60	25	35	4	5	—	1	1	3	6	11
Encephalitis Lethargica	—	—	—	—	7	3	4	—	—	—	2	1	—	2	1
Cerebro-spinal Meningitis	—	—	—	—	9	4	5	2	2	1	1	1	2	—	—
Other Epidemic Diseases	—	—	—	—	15	13	2	4	1	1	—	—	2	2	4
Tuberculosis of Respiratory System	—	—	—	—	159	86	73	2	6	1	3	37	38	33	18
Tuberculous Meningitis	—	—	—	—	30	16	14	4	18	2	5	1	—	—	—
Tuberculosis of Intestines and Peritoneum	—	—	—	—	11	6	5	1	7	2	—	1	—	—	—
Other Tuberculous Disease	—	—	—	—	21	8	13	—	4	—	3	1	3	3	6
Malignant Tumours	—	—	—	—	301	145	156	—	1	—	2	6	27	50	96
Rheumatic Fever	—	—	—	—	11	4	7	—	—	—	2	1	1	3	—
Meningitis (not Cer.-spin. or Tuberc.)	—	—	—	—	20	7	13	9	4	1	—	1	2	—	1
Apoplexy	—	—	—	—	345	158	187	—	—	—	3	1	5	28	78
Heart Disease	—	—	—	—	441	192	249	—	—	3	1	16	14	23	42
Diseases of Arteries	—	—	—	—	63	39	24	—	—	—	—	—	1	6	9
Bronchitis	—	—	—	—	314	131	183	31	15	—	2	2	5	11	28
Pneumonia (all forms)	—	—	—	—	555	317	238	140	123	9	6	19	29	34	37
Other Diseases of Respiratory System	—	—	—	—	58	34	24	6	4	—	—	1	4	6	3
Diarrhoea and Enteritis (under 2 years)	—	—	—	—	43	25	18	40	3	—	—	—	—	—	—
Appendicitis	—	—	—	—	14	7	7	—	1	3	1	2	—	3	1
All Diseases of Liver (not Malignant)	—	—	—	—	29	11	18	1	—	—	—	3	2	9	4
Nephritis, Acute and Chronic	—	—	—	—	91	45	46	—	—	1	—	5	5	6	22
Puerperal Sepsis	—	—	—	—	14	—	14	—	—	—	3	7	4	—	—
Other Dis. & Accidents of Preg. & Part.	—	—	—	—	24	—	24	—	—	—	4	9	11	—	—
Diseases of Early Infancy and Malform.	—	—	—	—	208	118	90	206	1	1	—	—	—	—	—
Suicide	—	—	—	—	19	13	6	—	—	—	1	1	5	7	3
Other Violent Deaths	—	—	—	—	112	71	41	8	9	6	3	9	2	12	14
Other Defined Diseases	—	—	—	—	550	251	299	51	19	6	5	22	27	36	49
Causes Ill-defined or Unknown	—	—	—	—	53	33	20	11	3	2	—	1	1	3	4
	3896	1928	1968	605	429	62	83	137	159	230	337	548	705	502	149

DEATHS IN EACH TOWN (corrected for Transfers)—January 1928.

CAUSES OF DEATH.		Total.	Glasgow.	Edinburgh.	Dundee.	Aberdeen.	Paisley.	Greenock.	Motherwell and Wishaw.	Clydebank.
Enteric Fever	...	1	...	1	...	...	...	...	...	...
Typhus Fever	...	...	...	...	...	...	...	...	...	...
Small-pox	...	192	167	3	...	...	...	...	...	5
Measles	...	11	6	2	...	1	8	4	1	1
Scarlet Fever	...	58	29	14	3	2	3	2	1	4
Whooping-cough	...	57	30	5	9	4	2	2	1	...
Diphtheria	...	60	26	12	1	4	1	4	...	...
Influenza	...	7	4	...	...	1	1	...	...	...
Encephalitis Lethargica	...	9	6	1	...	1	1	1	...	...
Cerebro-spinal Meningitis	...	15	10	1	1	...	...	1	...	...
Other Epidemic Diseases	...	159	85	24	8	11	4	7	1	1
Tuberculosis of Respiratory System	...	30	13	3	4	5	1	2	1	1
Tuberculous Meningitis	...	11	3	...	...	3	...	2	...	...
Tuber. of Intestines and Peritoneum	...	21	9	3	1	1	1	2	...	1
Other Tuberculous Disease	...	301	126	69	19	24	8	6	11	4
Malignant Tumours	...	11	7	2	...	...	...	...	...	1
Rheumatic Fever	...	20	11	2	1	...	...	3	1	...
Meningitis (not Cerebro-spinal or Tuber.)	...	345	138	73	31	31	10	11	3	1
Apoplexy	...	441	167	108	41	41	14	12	7	7
Heart Disease	...	63	16	11	9	7	...	2	1	1
Diseases of Arteries	...	314	153	51	25	18	7	13	8	3
Bronchitis	...	555	287	95	46	16	22	26	10	7
Pneumonia (all forms)	...	58	25	10	5	3	2	4	...	2
Other Diseases of Respiratory System	...	43	27	4	1	1	2	1	...	...
Diarrhoea and Enteritis (under 2 years)	...	14	7	1	1	...	...	...	1	...
Appendicitis	...	29	14	5	2	...	1	...	1	3
All Diseases of Liver (not Malignant)	...	91	47	13	3	6	6	6	2	...
Nephritis, Acute and Chronic	...	14	8	1	2	2	...	...	1	...
Puerperal Sepsis	...	24	10	2	1	4	...	...	2	1
Other Diseases and Accidents of Pregnancy and Parturition	...	208	98	25	18	17	5	11	5	6
Dis. of Early Infancy and Malformations	...	19	5	8	2	...	1	1	...	...
Suicide	...	112	60	15	4	10	2	5	3	3
Other Violent Deaths	...	550	256	109	33	38	14	26	10	5
Other Defined Diseases	...	53	31	2	9	...	...	1	1	...
Causes Ill-defined or Unknown	...	3896	1881	675	280	250	114	154	69	57
All Causes		3896	1881	675	280	250	114	154	69	57
AGE AT DEATH.										
Under 1	...	605	332	58	50	30	16	31	11	10
1- 4	...	429	282	41	15	15	18	15	5	6
5- 9	...	62	29	8	3	4	2	4	3	5
10-14	...	33	19	3	2	1	...	2	2	2
15-24	...	137	58	21	12	9	7	13	...	4
25-34	...	159	68	30	10	12	4	8	4	2
35-44	...	230	128	44	13	8	7	6	5	2
45-54	...	337	173	54	21	17	12	11	6	9
55-64	...	548	273	107	35	34	15	11	16	3
65-74	...	705	270	149	67	54	21	39	9	10
75-84	...	502	202	118	42	48	8	7	6	3
85 and over	...	149	47	42	10	18	4	7	2	1
All Ages	...	3896	1881	675	280	250	114	154	69	57

DEATHS IN EACH TOWN (corrected for Transfers)—January 1928—continued.

CAUSES OF DEATH.											
				Coatbridge.	Dunfermline.	Kirkcaldy.	Hamilton.	Kilmarnock.	Ayr.	Falkirk.	Perth.
Enteric Fever	...	...	...	...	...	...	...	...	...	...	...
Typhus Fever	...	...	...	...	...	...	...	...	...	...	...
Small-pox	...	...	...	3	...	...	...	...	...	...	2
Measles	...	...	...	1	...	...	...	...	...	...	...
Scarlet Fever	...	...	...	...	...	1	...	...	...	...	...
Whooping-cough	...	...	...	...	...	...	...	...	5	...	...
Diphtheria	...	...	...	...	...	...	...	...	1	...	...
Influenza	...	...	...	3	1	1	1	2	1	3	1
Encephalitis Lethargica	...	...	...	...	...	1	...	...	...	...	1
Cerebro-spinal Meningitis	...	...	...	...	...	2	...	...	...	...	...
Other Epidemic Diseases	...	...	...	...	...	...	...	...	...	...	...
Tuberculosis of Respiratory System	...	2	2	3	3	...	1	...	1	1	5
Tuberculous Meningitis	...	1	...	...	...	...	...	...	...	...	...
Tuber. of Intestines and Peritoneum	...	1	1	...	...	...	...	...	1	...	...
Other Tuberculous Disease	...	...	...	...	1	...	...	1	...	...	1
Malignant Tumours	...	7	5	8	2	...	5	2	3	2	2
Rheumatic Fever	...	...	...	...	...	...	...	...	...	1	...
Meningitis (not Cerebro-spinal or Tuber.)	1	...	...	...	...	...	1	...	...	...	...
Apoplexy	...	5	6	8	6	...	6	7	4	4	5
Heart Disease	...	10	2	3	4	...	7	4	6	8	...
Diseases of Arteries	...	2	3	5	...	...	1	...	1	...	4
Bronchitis	...	3	2	6	2	...	5	8	8	8	2
Pneumonia (all forms)	...	8	2	1	7	9	6	6	6	7	...
Other Diseases of Respiratory System	...	...	...	2	2	...	...	...	...	3	...
Diarrhoea and Entritis (under 2 years)	3	1	1	...	...	...	1	...	...	...	1
Appendicitis	...	...	2	1	...	...	...	...	...	...	1
All Diseases of Liver (not Malignant)	1	...	2	...	...	...	...	...	...	...	...
Nephritis, Acute and Chronic	...	1	2	...	1	1	1	1	1	1	1
Puerperal Sepsis	...	...	...	...	...	...	...	...	...	...	...
Other Diseases and Accidents of Pregnancy and Parturition	...	...	...	...	...	...	...	3	...	...	1
Dis. of Early Infancy and Malformations	4	4	5	1	1	...	1	2	3	3	3
Suicide	...	...	...	1	...	...	...	...	...	1	...
Other Violent Deaths	...	3	1	2	1	1	1	1	1	1	...
Other Defined Diseases	...	10	9	5	9	6	5	5	9	9	6
Causes Ill-defined or Unknown	...	2	...	1	1	...	1	1	3	1	1
All Causes	...	71	43	59	40	48	43	60	52		
AGE AT DEATH.											
Under 1	...	...	...	13	5	7	5	8	7	14	8
1-4	...	...	...	9	4	2	4	2	1	7	3
5-9	...	...	...	...	1	1	...	...	2	...	...
10-14	...	...	...	...	...	1	...	...	1	...	...
15-24	...	...	...	4	...	2	1	1	1	3	1
25-34	...	...	...	2	2	...	6	5	3	2	1
35-44	...	...	...	3	2	...	4	2	1	2	3
45-54	...	...	...	6	2	4	2	3	2	6	9
55-64	...	...	...	7	7	10	3	10	5	8	4
65-74	...	...	...	16	9	11	10	7	12	10	11
75-84	...	...	...	10	6	15	5	9	8	7	8
85 and over	...	...	...	1	5	6	...	1	...	1	4
All Ages	...	71	43	59	40	48	43	60	52		

ABSTRACT OF METEOROLOGICAL OBSERVATIONS

Made at GLASGOW, EDINBURGH, DUNDEE, ABERDEEN, PAISLEY, GREENOCK, and PERTH,

During the Month of JANUARY 1928.

OBSERVERS.	AIR PRESSURE at 9 A.M. and 9 P.M.		AIR TEMPERATURE.		HYGROMETER.		RAIN, AND OTHER FORMS OF PRE- CIPITATION.		WIND DIRECTIONS		Calm or Variable.		
			Mean of A and B (Mean Tem- perature).		Mean at 9 A.M. and 9 P.M.		Number of Days.		Number of Observations at 9 A.M. and 9 P.M.				
	Height of Barometer above Sea-level.	Mean at Sea-level and 32°.	Mean at Station-level and 32°.	Minimum (A.)	Maximum (B.)	Dry Bulb.	Vapour Pressure.	Depression of Wet Bulb.	Total Fall.	Day of Month.	Humidity.	Day of Month.	Day of Month.
GLASGOW, Professor J. R. CURRIE, M.D., The University.	29.405	29.561	46.2	36.8	41.5	+2.9	53	21st	23	1st	41.4	1.8	.216
EDINBURGH, Professor R. A. SAMPSON, F.R.S., Royal Observatory.	29.084	29.569	45.2	35.4	40.3	+2.3	53	21, 24	22	1st	39.8	2.1	.200
DUNDEE, A. MACRAE, Curator of Cemeteries.	29.365	29.550	42.9	33.3	38.1	+1.0	51	21st	21	1st	37.9	1.0	.206
ABERDEEN,* The Meteorological Office.	29.406	29.508	42.8	36.1	39.5	+1.6	50	21st	30	1, 23	39.1	1.9	.198
PAISLEY, The Coats Observatory.	29.443	29.564	45.8	36.6	41.1	+2.0	52	21, 23, 24	21	1st	41.3	1.6	.223
GREENOCK, J. MACALISTER, M.Inst. C.E., Greenock Waterworks.	29.310	29.573	46.1	36.7	41.4	+3.0	54	6th	27	1, 2	41.1	1.6	.223
PERTH,† J. RITCHIE, The Museum.	29.517	29.542	45.0	33.8	39.4	+2.4	54	23rd	18	1st	38.7	1.3	.210
Means . .	171	29.361	29.551	44.9	35.5	40.2	+2.2	39.9	1.6	.211
											28	7.77	+4.56
											0	1	2
											3	12	28
											11	12	1

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† At 9 A.M. only.North Latitude.—Glasgow, 56° 52'; Edinburgh, 55° 55'; Dundee, 56° 28'; Aberdeen, 57° 9'; Paisley, 55° 51'; Greenock, 55° 57'; Perth, 56° 23'; Mean, 56° 14'.
West Longitude.—Glasgow, 4° 17'; Edinburgh, 3° 11'; Dundee, 2° 57'; Aberdeen, 2° 7'; Paisley, 4° 46'; Greenock, 4° 27'; Perth, 3° 25'; Mean, 3° 36'.

For Official Use.

MONTHLY RETURN
OF THE
Births, Deaths, and Marriages
IN
Sixteen of the Principal Towns of Scotland
FEBRUARY 1928.

Published by Authority of the Registrar-General.

REPORT

During the month of February 1928 there were registered in the Sixteen Principal Towns of Scotland, those burghs which at the date of the 1921 Census had populations of over 30,000, the births of 3874 living children, of whom 1950 were males, and 1924 were females. Compared with the number registered in the previous month, that of male children is 258 less, of female children 229 less, and of children of both sexes 487 less.

The monthly birth-rate of these towns taken collectively was 20·2 per thousand, which rate is 1·1 less than that of the previous month, and 2·2 less than the February average.

In the individual towns the monthly birth-rate averaged 20·7, and varied from 26·1 in Greenock, 24·3 in Hamilton, 24·1 in Clydebank, and 23·6 in Motherwell and Wishaw, to 17·2 in Edinburgh and in Perth, and 17·5 in Dunfermline. In Kilmarnock the monthly birth-rate was 22·6, in Coatbridge 21·4, in Glasgow 20·8, in Paisley 20·5, in Ayr 20·5, in Aberdeen 19·9, in Dundee 18·9, in Kirkcaldy 18·7 and in Falkirk 18·6.

Of the 3874 living children whose births were registered during the month, 3603, or 93·0 per cent., were legitimate, while 271, or 7·0 per cent., were illegitimate. The legitimate children of the month number 482 fewer than those of the previous month, and the illegitimate children 5 fewer. The illegitimate rate of the month, 7·0 per cent., is 0·7 above that of the previous month. In the individual towns the illegitimate rate varied from 13·1 per cent. in Ayr, 11·3 in Falkirk, and 9·0 in Kilmarnock, to 0·7 in Paisley, 1·6 in Kirkcaldy, and 3·8 in Dunfermline. In Glasgow this rate was 8·1, in Edinburgh 5·7, in Dundee 6·9 and in Aberdeen 8·4.

Marriages registered in these towns during the month numbered 1242, and equalled a marriage-rate of 6·5 per thousand. This number is 954 less than that of the previous month. This rate is 4·2 less than that of the previous month, but is 0·3 more than the February average. In the individual towns the monthly marriage-rate averaged 5·5, and varied from 8·1 in Aberdeen and in Kilmarnock, and 7·4 in Glasgow and in Coatbridge, to 2·5 in Falkirk, 2·8 in Kirkcaldy, and 3·7 in Paisley. In Edinburgh this rate was 6·4 and in Dundee 5·1.

NOTE.—The averages used for comparison are the means of the same rates in the corresponding months of the three preceding years.

Deaths registered in these towns during the month numbered 3190, which is 935 fewer than in the previous month. Deducting the deaths of persons with usual residence in Scotland but outwith the town of registration, and adding those of persons dying elsewhere in Scotland but with usual residence in one or other of these towns, the corrected number is found to be 3024, and to include the deaths of 1491 males and 1533 females. The corrected number is 872 less than that of the previous month.

The monthly death-rate in these towns taken collectively and based on the corrected number of deaths was 15·8 per thousand. This rate is 3·2 less than that of the previous month, and 0·1 less than the February average. In the individual towns the monthly death-rate averaged 15·4, and ranged from 18·6 in Falkirk, 18·1 in Greenock, and 17·9 in Dunfermline, to 10·9 in Clydebank, 12·1 in Motherwell and Wishaw, and 13·5 in Kirkcaldy. In Coatbridge the monthly death-rate was 17·1, in Glasgow 16·7, in Aberdeen 16·3, in Kilmarnock 15·5, in Ayr 15·5, in Paisley 15·2, in Dundee 15·0, in Perth 14·6, in Edinburgh 14·4, and in Hamilton 14·4.

Deaths of children of less than one year old numbered 442, and equalled an infantile mortality rate of 111 per thousand of the average number of births registered monthly in these towns during the preceding twelve months. These deaths number 163 fewer than in the previous month. This rate is 31 less than that of the previous month, but equals the February average. In the individual towns the infantile mortality rate of the month averaged 109, and ranged from 161 in Kilmarnock, 157 in Coatbridge, 142 in Paisley, and 121 in Falkirk, to 65 in Perth, 73 in Clydebank, and 77 in Dunfermline. In Glasgow the infantile mortality rate was 119, in Aberdeen 117, in Greenock 117, in Kirkcaldy 107, in Dundee 106, in Ayr 105, in Hamilton 97, in Motherwell and Wishaw 92, and in Edinburgh 81.

Deaths from the principal epidemic diseases numbered 266, and equalled a death-rate of 1·4 per thousand. These deaths collectively numbered 96 fewer than in the previous month, but 47 more than the February average. They included 120 deaths from measles, 5 from scarlet fever, 79 from whooping-cough, 37 from diphtheria, and 25 from the diarrhoeas of childhood. Compared with the number in the previous month, deaths from measles are 72 fewer, from diphtheria 20 fewer, from the diarrhoeas of childhood 18 fewer, and from scarlet fever 6 fewer, but those from whooping-cough are 21 more. No deaths from enteric fever were registered in these towns during the month. In the previous month there was 1 such death.

Deaths from influenza in all numbered 42, which is 18 fewer than in the previous month. In December last these deaths numbered 60, and in November 32.

Deaths from respiratory diseases other than phthisis, but exclusive of those associated with influenza, numbered 565, and are 362 fewer than in the previous month. These deaths equal a death-rate of 3·0 per thousand, which rate is 1·5 less than that of the previous month, and 0·2 less than the February average.

Deaths from all forms of tuberculous disease numbered 215, of which 148 were attributed to tuberculosis of the respiratory system. The former number is 6 less than that of the previous month, and 39 less than the February average. The latter number is 11 less than that of the previous month, and 29 less than the February average.

METEOROLOGICAL NOTES supplied by the Meteorological Office, Edinburgh.

FEBRUARY 1928.

Mean barometric pressure, 29.824 in.; less than the average of 1881-1915 by 0.019 in.

Mean temperature, $40^{\circ}5$; greater by $2^{\circ}1$.

Mean daily range of temperature, $9^{\circ}7$; less by $0^{\circ}5$.

Rain, depth in inches, 3.27 ; greater by 0.44 in.

Wind, direction of: an 8 days' excess of winds from south and south-west.

The almost continuously stormy type of weather which had characterised the month of January persisted during the first half of February. The generally stormiest period was from 7th to 11th, and on 10th to 11th an unusually deep depression moved rapidly across the British Isles to the North Sea. By 17th a quiet anticyclonic type of conditions had developed. The range of pressure was considerable, and at Edinburgh, at mean sea-level, the extremes were 30.66 in. on 22nd and 28.73 in. on 10th.

As in January, the mean temperature was appreciably above the normal; but there were considerable fluctuations with rather frequent ground frosts. Highest readings occurred on various dates (59° at Inverness on 9th and at Gordon Castle on 21st); and lowest, as a rule, about 23rd or 26th (17° at Braemar on 23rd).

Rainfall was rather below the normal in South Ayrshire, and decidedly below towards the north-east; but elsewhere there was, as a rule, a slight to fairly large excess. Moderate rain or snow during the first three or four days was followed by very heavy rains in the west from 5th to 8th, and in the west wet weather continued until 17th or 18th, whilst in the east precipitation during the second week was intermittent. From 4th to 8th Kinlochquoich had fully 9 inches, with as much as 3.70 in. on 7th. From 16th or 18th onwards many districts were rainless, though in some there were trifling falls on 21st, and in the extreme south-west rather heavy falls on 29th. At Aberdeen three-quarters of the month's small total was accounted for on 10th and 11th.

Extremely stormy weather prevailed between 6th and 11th, and wind force was again high between 15th and 18th. Early in the month snow fell rather widely, lying at West Linton to a depth of 7 in. on 4th, and there were further falls in some districts about 10th and 17th. Heavy flooding occurred in many rivers on 4th and later days, and on 9th flooding in the Spey valley was very extensive and that river burst its banks at Garmouth.

Thunder occurred here and there on 1st and 2nd, and on every day from 4th to 10th. A sporadic storm on 10th was locally of great intensity in the south of Scotland.

Thick fog occurred in the east on 26th and 27th.

A few very sunny days brought sunshine aggregates rather above the normal.

Aurora was observed in Shetland on 5th, 12th, 13th, 14th, 16th, 17th, 21st and 22nd; elsewhere on some of these days; at Arbroath on 3rd; and in Orkney and at Gordon Castle on 20th.

NOTE.—The mean values refer to those of the Principal Towns named in meteorological Table on p. 16.

Abstract.

TABLE I.—ABSTRACT OF BIRTHS, DEATHS, AND MARRIAGES
in the Principal Towns, FEBRUARY 1928.

TOWNS.	POPULATION.		BIRTHS.						DEATHS.					
	Census 1921.	Estimated to middle of 1928.	Males.	Females.	Total.	Legiti-mate.	Illegiti-mate.	MARRIAGES.	REGISTERED	TRANSFERS	Total	Out.	In.	Total Corrected.
								Males.	Females.	Total.				
GLASGOW,	1,051,518	1,060,500	863	889	1752	1610	142	618	769	714	1483	120	43	1406
EDINBURGH,	420,264	426,300	287	295	582	549	33	217	288	270	558	85	13	486
DUNDEE,	168,315	174,800	137	125	262	244	18	71	94	124	218	14	4	208
ABERDEEN	158,963	158,500	130	120	250	229	21	102	91	129	220	37	22	205
PAISLEY,	84,837	87,900	66	77	143	142	1	26	62	46	108	7	5	106
GREENOCK,	81,123	80,200	90	76	166	157	9	34	54	62	116	3	2	115
MOTHERWELL AND WISHAW,	68,869	70,100	67	64	131	125	6	28	30	24	54	1	14	67
CLYDEBANK,	46,601	48,600	52	41	93	87	6	18	12	14	26	1	17	42
COATBRIDGE,	43,919	44,300	37	38	75	70	5	26	26	31	57	1	4	60
DUNFERMLINE,	39,899	38,200	25	28	53	51	2	13	26	26	52	6	8	54
KIRKCALDY,	39,591	41,100	36	25	61	60	1	9	22	20	42	5	7	44
HAMILTON,	39,504	41,100	34	45	79	74	5	19	17	30	47	4	4	47
KILMARNOCK,	35,911	37,400	37	30	67	61	6	24	19	29	48	5	3	46
AYR,	35,763	37,500	30	31	61	53	8	14	21	32	53	9	2	46
FALKIRK,	33,308	36,000	29	24	53	47	6	7	30	28	58	8	3	53
PERTH,	33,208	33,700	30	16	46	44	2	16	21	29	50	13	2	39
TOTAL (SIXTEEN TOWNS)	2,381,593	2,416,200	1950	1924	3874	3603	271	1242	1582	1608	3190	319	153	3024

TABLE II.—BIRTH-RATES, DEATH-RATES, AND MARRIAGE-RATES
in the Principal Towns, FEBRUARY 1928.

TOWNS.	Birth- Rate per 1000 of Popu- lation.	Illegiti- mate Birth- Rate per 100 Births.	Marriage- Rate per 1000 of Popu- lation.	DEATH-RATES PER 1000 of POPULATION FROM						DEATHS UNDER ONE YEAR OF AGE.			
				All Causes.		Regis- tered.	Corr. for Trans- fers.	Principal Epidemic Diseases.	All Tuber- culosis.	Tuber. of Respiratory System.	All Re- spiratory Diseases.	Number.	* Rate per 1000 Births.
GLASGOW,	20.8	8.1	7.4	17.6	16.7	2.1		1.3	0.9	3.6	223	119	
EDINBURGH,	17.2	5.7	6.4	16.5	14.4	0.7		0.9	0.7	2.1	49	81	
DUNDEE,	18.9	6.9	5.1	15.7	15.0	0.7		0.9	0.7	3.5	29	106	
ABERDEEN,	19.9	8.4	8.1	17.5	16.3	0.7		0.8	0.6	2.6	30	117	
PAISLEY,	20.5	0.7	3.7	15.5	15.2	0.4		0.9	0.3	2.9	20	142	
GREENOCK,	26.1	5.4	5.3	18.3	18.1	3.3		1.1	0.6	2.5	17	117	
MOTHERWELL AND WISHAW,	23.6	4.6	5.0	9.7	12.1	0.4		1.1	0.9	1.3	11	92	
CLYDEBANK,	24.1	6.5	4.7	6.7	10.9	0.8		1.3	0.5	2.1	6	73	
COATBRIDGE,	21.4	6.7	7.4	16.2	17.1	1.4		1.7	0.9	2.3	14	157	
DUNFERMLINE,	17.5	3.8	4.3	17.2	17.9	0.3		2.0	1.7	2.0	4	77	
KIRKCALDY,	18.7	1.6	2.8	12.9	13.5	0.6		0.0	0.0	2.5	6	107	
HAMILTON,	24.3	6.3	5.8	14.4	14.4	0.6		0.6	0.3	2.5	7	97	
KILMARNOCK,	22.6	9.0	8.1	16.2	15.5	0.3		1.0	0.7	3.4	10	161	
AYR,	20.5	13.1	4.7	17.8	15.5	0.3		1.7	0.7	0.7	6	105	
FALKIRK,	18.6	11.3	2.5	20.4	18.6	0.7		1.8	1.4	4.6	7	121	
PERTH,	17.2	4.3	6.0	18.7	14.6	0.7		0.7	0.7	2.2	3	65	
TOTAL (SIXTEEN TOWNS)	20.2	7.0	6.5	16.7	15.8	1.4		1.1	0.8	3.0	442	111	

* Based on the average number of births registered monthly during the past 12 months.

TABLE III.—BIRTH-RATE, DEATH-RATE, &c. FOR FEBRUARY 1928, AND FOR THE CORRESPONDING MONTH OF THE PRECEDING TEN YEARS, IN THE PRINCIPAL TOWNS.

Month.	Birth-Rate.	Illegitimate Birth-rate per 100 Births.	Marriage-Rate.	Death-Rate.	Deaths from								* Infantile Mortality Rate.	Mean Temperature, Seven Towns only.	
					(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)			
(1)	(2)	(3)	(4)	(5)											
FEB. 1928,	20.2	7.0	6.5	15.8	0	0	120	5	79	37	25	111	40.5		
FEB. 1927,	21.5	6.5	6.3	16.5	0	0	16	8	54	33	23	120	40.1		
FEB. 1926,	23.0	6.1	6.4	15.2	2	0	153	19	27	26	31	103	41.3		
FEB. 1925,	22.7	6.0	5.9	15.8	1	0	44	26	127	40	26	105	39.2		
FEB. 1924,	25.0	6.1	5.4	18.8	1	0	160	16	110	34	27	156	39.7		
FEB. 1923,	25.4	6.6	7.1	14.7	5	0	55	17	56	35	25	99	39.7		
FEB. 1922,	27.6	6.8	7.1	24.2	0	0	237	16	105	33	51	172	38.7		
FEB. 1921,	27.3	7.1	8.6	18.6	4	5	19	17	162	42	50	133	40.9		
FEB. 1920,	33.9	7.9	9.4	15.3	0	0	46	10	21	38	32	129	42.1		
FEB. 1919,	18.1	9.8	7.8	34.4	1	0	25	10	201	49	32	200	34.5		
FEB. 1918,	19.6	8.1	7.9	14.5	3	0	63	4	79	29	32	110	42.8		

Figures in columns 5-13 have been corrected for non-resident deaths.

* Per 1000 of the average number of births registered monthly during the past 12 months.

AGGREGATE OF THE SIXTEEN PRINCIPAL TOWNS—February 1928.

Causes of Death.	Total.	Males.	Females.	Age.											
				-1	1-	5-	10-	15-	25-	35-	45-	55-	65-	75-	85 & over.
Enteric Fever	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Typhus Fever	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Small-pox	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Measles	-	-	-	-	120	60	60	-	-	-	-	-	-	-	-
Scarlet Fever	-	-	-	-	5	3	2	-	3	-	-	-	-	-	-
Whooping-cough	-	-	-	-	79	39	40	30	48	1	-	-	-	-	-
Diphtheria	-	-	-	-	37	9	28	4	21	10	1	-	-	-	-
Influenza	-	-	-	-	42	13	29	3	2	1	-	-	1	-	-
Encephalitis Lethargica	-	-	-	-	4	2	2	-	1	-	3	3	6	6	10
Cerebro-spinal Meningitis	-	-	-	-	5	4	1	2	2	-	-	-	-	-	3
Other Epidemic Diseases	-	-	-	-	11	9	2	3	1	-	-	-	-	-	2
Tuberculosis of Respiratory System	-	-	-	-	148	77	71	2	4	1	5	36	39	26	14
Tubercleus Meningitis	-	-	-	-	28	13	15	5	14	5	2	1	1	-	5
Tuberculosis of Intestines and Peritoneum	-	-	-	-	18	8	10	4	5	1	1	1	2	-	1
Other Tuberculous Disease	-	-	-	-	21	10	11	1	2	3	1	3	1	2	1
Malignant Tumours	-	-	-	-	274	127	147	-	1	-	3	4	21	48	73
Rheumatic Fever	-	-	-	-	9	-	9	-	1	-	3	2	1	1	-
Meningitis (not Cer.-spin. or Tuberc.)	-	-	-	-	19	9	10	5	8	-	2	2	1	-	-
Apoplexy	-	-	-	-	268	123	145	-	1	-	1	2	6	24	58
Heart Disease	-	-	-	-	359	159	200	2	1	2	2	9	8	15	41
Diseases of Arteries	-	-	-	-	63	37	26	-	-	-	-	-	1	15	23
Bronchitis	-	-	-	-	166	94	72	16	7	-	1	1	10	9	29
Pneumonia (all forms)	-	-	-	-	372	217	155	99	90	8	2	10	15	31	18
Other Diseases of Respiratory System	-	-	-	-	27	10	17	3	3	1	-	1	-	1	5
Diarrhoea and Enteritis (under 2 years)	-	-	-	-	25	12	13	21	4	-	-	-	-	-	-
Appendicitis	-	-	-	-	16	10	6	-	1	2	2	2	1	3	4
All Diseases of Liver (not Malignant)	-	-	-	-	26	7	19	2	-	2	-	2	1	5	3
Nephritis, Acute and Chronic	-	-	-	-	93	47	46	-	1	1	1	5	5	9	11
Puerperal Sepsis	-	-	-	-	11	-	11	-	-	-	4	6	1	-	-
Other Dis. & Accidents of Preg. & Part.	-	-	-	-	12	-	12	-	-	-	1	7	4	-	-
Diseases of Early Infancy and Malform.	-	-	-	-	153	73	80	151	1	1	-	-	-	-	-
Suicide	-	-	-	-	24	17	7	-	-	-	1	4	4	4	4
Other Violent Deaths	-	-	-	-	98	61	37	5	13	6	3	11	4	13	10
Other Defined Diseases	-	-	-	-	451	217	234	38	18	5	7	9	20	35	46
Causes Ill-defined or Unknown	-	-	-	-	40	24	16	4	1	1	-	1	4	6	9
	3024	1491	1533	442	329	54	31	111	129	194	252	423	553	404	102

DEATHS IN EACH TOWN (corrected for Transfers)—February 1928.

		CAUSES OF DEATH.		Total.	Glasgow.	Edinburgh.	Dundee.	Aberdeen.	Paisley.	Greenock.	Motherwell and Wishaw.	Clydebank.
Enteric Fever	...	...	...	...	...	...	...	...	...	...	...	...
Typhus Fever	...	...	...	...	...	...	...	...	...	...	...	...
Small-pox	...	...	...	...	...	...	...	...	...	...	...	...
Measles	...	...	...	120	101	5	...	1	...	10	...	...
Scarlet Fever	...	...	...	5	4	...	...	1	...	...	...	...
Whooping-cough	...	...	...	79	49	10	4	4	2	7	...	...
Diphtheria	...	...	...	37	13	4	4	2	...	3	1	3
Influenza	...	...	...	42	19	6	...	6	1	3	2	2
Encephalitis Lethargica	...	...	...	4	2	...	...	...	...	...	...	...
Cerebro-spinal Meningitis	...	...	...	5	3	2	...	...	...	...	...	...
Other Epidemic Diseases	...	...	...	11	5	3	...	2	...	...	...	...
Tuberculosis of Respiratory System	...	...	148	74	24	10	8	2	4	5	2	2
Tuberculous Meningitis	...	...	28	17	1	1	...	3	1	1	1	1
Tuber. of Intestines and Peritoneum	...	...	18	6	3	1	...	1	...	...	...	2
Other Tuberculous Disease	...	...	21	12	2	1	2	...	2	...	...	...
Malignant Tumours	...	...	274	118	52	20	16	13	13	4	2	2
Rheumatic Fever	...	...	9	3	3	1	...	...	...	...	...	...
Meningitis (not Cerebro-spinal or Tuber.)	19	4	1	2	2	1	...	1	1	1	1	1
Apoplexy	...	...	268	98	47	18	27	15	15	7	7	3
Heart Disease	...	...	359	144	75	28	33	7	7	7	8	9
Diseases of Arteries	...	...	63	22	13	9	4	2	...	2	...	...
Bronchitis	...	...	166	78	20	19	15	7	6	4	4	4
Pneumonia (all forms)	...	...	372	211	44	27	16	13	9	2	2	4
Other Diseases of Respiratory System	27	12	7	2	2	...	...	...	1	1	1	...
Diarrhoea and Enteritis (under 2 years)	25	13	3	2	1	...	1	1	1	1	1	1
Appendicitis	16	7	1	2	1	...	1	1	1	1	1	1
All Diseases of Liver (not Malignant)	26	12	5	1	2	...	2	2	1	1	1	1
Nephritis, Acute and Chronic	93	37	22	5	6	4	4	2	2	3	2	2
Puerperal Sepsis	...	...	11	7	...	1	1	...	...	...	...	...
Other Diseases and Accidents of Pregnancy and Parturition	...	...	12	7	2	...	1	2	...	...	...	...
Dis. of Early Infancy and Malformations	153	65	20	9	12	10	6	10	6	5	4	4
Suicide	24	6	8	3	2	...	...	1	1	...	...	...
Other Violent Deaths	98	49	18	8	4	2	2	2	2	3	2	2
Other Defined Diseases	451	184	82	23	34	17	17	19	19	15	15	2
Causes Ill-defined or Unknown	40	24	3	7	...	...	...	...	...	2	1	1
All Causes	...	3024	1406	486	208	205	106	115	67	42		
		AGE AT DEATH.										
Under 1	...	...	...	442	223	49	29	30	20	17	11	6
1-4	...	...	...	329	223	19	14	10	6	23	2	3
5-9	...	...	...	54	25	5	4	3	1	5	1	2
10-14	...	...	...	31	12	8	3	1	1	...	1	1
15-24	...	...	...	111	59	16	10	3	5	3	4	2
25-34	...	...	...	129	50	21	5	10	9	4	4	2
35-44	...	...	...	194	106	27	9	10	7	8	...	4
45-54	...	...	...	252	123	52	10	12	5	5	10	6
55-64	...	...	...	423	188	65	44	24	20	15	7	5
65-74	...	...	...	553	220	97	40	47	18	24	21	7
75-84	...	...	...	404	154	100	28	38	14	10	5	4
85 and over	...	...	...	102	23	27	12	17	...	1	1	...
All Ages	...	3024	1406	486	208	205	106	115	67	42		

DEATHS IN EACH TOWN (corrected for Transfers)—February 1928—*continued.*

CAUSES OF DEATH.

			Coatbridge.	Dunfermline.	Kirkcaldy.	Hamilton.	Kilmarnock.	Ayr.	Falkirk.	Perth.
Enteric Fever	...	...	2	...	...	...	...	...	...	1
Typhus Fever	...	...	1	1	2	2	1	1	2	...
Small-pox	...	...	...	...	2	2	1	...	...	...
Measles	...	...	...	...	...	...	...	...	...	...
Scarlet Fever	...	...	...	...	...	...	...	...	...	...
Whooping-cough	...	...	...	...	...	...	1	...	...	...
Diphtheria	...	...	1	1	2	2	...	1	...	...
Influenza...	...	...	...	...	2	2	1	...	...	...
Encephalitis Lethargica	...	...	...	...	2	...	...	...	...	...
Cerebro-spinal Meningitis	...	...	1	5	...	1	2	2	4	2
Other Epidemic Diseases	...	...	2	...	...	...	...	1	...	...
Tuberculosis of Respiratory System	...	3	5	...	...	1	2	2	4	...
Tuberculous Meningitis	...	2	...	...	...	...	...	1	...	...
Tuber. of Intestines and Peritoneum	...	1	...	...	...	1	1	1	1	...
Other Tuberculous Disease	...	...	1	...	...	...	...	1	...	...
Malignant Tumours	...	6	9	3	4	2	5	2	5	...
Rheumatic Fever	...	...	...	...	...	2	...	...	...	...
Meningitis(not Cerebro-spinal or Tuber.)	2	1	1	...	...	...	...	2	...	...
Apoplexy...	...	6	6	5	2	6	6	5	2	2
Heart Disease	...	7	3	6	10	4	6	6	7	5
Diseases of Arteries	...	...	2	3	...	1	1	...	1	4
Bronchitis	...	...	1	4	1	3	1	1	1	2
Pneumonia (all forms)	...	7	5	4	7	7	1	12	3	1
Other Diseases of Respiratory System	1	...	...	...	...	...	...	...	...	1
Diarrhoea and Entiritis (under 2 years)	2	...	...	...	...	...	...	...	...	1
Appendicitis	...	1	...	...	...	1	...	...	...	1
All Diseases of Liver (not Malignant)	...	1	1	...	...	...	1	...	...	...
Nephritis, Acute and Chronic	...	4	1	2	1	2	1	1	...	...
Puerperal Sepsis	...	1	1	...	...	...	...	...	...	...
Other Diseases and Accidents of Pregnancy and Parturition	...	...	...	...	...	...	...	...	...	...
Dis. of Early Infancy and Malformations	3	2	4	4	3	3	3	2	1	1
Suicide	...	1	1	...	...	...	1	...	...	1
Other Violent Deaths	...	...	1	2	...	2	1	3	1	1
Other Defined Diseases	...	9	11	5	10	8	14	9	9	9
Causes Ill-defined or Unknown	...	...	2	...	...	...	...	1	...	...
All Causes	...	60	54	44	47	46	46	53	39	

AGE AT DEATH.

		Under 1	1-4	5-9	10-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85 and over	All Ages
		14	4	6	7	10	6	7	1	4	6	9	7	3
		4	1	1	6	5	2	2	1	2	1	7	9	1
		2	...	1	2	...	1	1	3	4	6	9	10	13
		3	...	...	...	...	...	1	3	3	4	6	7	2
		1	2	...	...	1	2	1	1	2	1	3	4	3
		2	9	2	1	1	2	1	3	3	2	3	3	3
		5	4	3	1	1	2	1	3	3	2	3	4	3
		5	5	3	3	3	3	3	3	3	4	4	4	2
		8	9	10	10	10	10	10	10	4	6	6	7	1
		9	10	10	12	12	12	12	12	8	9	9	10	13
		5	8	5	4	4	8	8	4	8	9	6	6	6
		2	2	3	...	...	4	4	4	4	4	1	1	5
		60	54	44	47	46	46	46	46	46	46	53	39	

ABSTRACT OF METEOROLOGICAL OBSERVATIONS

Made at GLASGOW, EDINBURGH, DUNDEE, ABERDEEN, PAISLEY, GREENOCK, and PERTH,
During the Month of FEBRUARY 1928.

OBSERVERS.	AIR PRESSURE at 9 A.M. and 9 P.M.		AIR TEMPERATURE.		HYGROMETER.		RAIN, AND OTHER FORMS OF PRECIPITATION.		WIND DIRECTIONS		Number of Observations at 9 A.M. and 9 P.M.							
					Mean at 9 A.M. and 9 P.M.		Mean at 9 A.M. and 9 P.M.				N	NE	E	SE	S	SW	W	NW
					Absolute Maximum and Minimum.		Humidity.				Difference from Average.		Total Fall.		Number of Days.		Difference from Average.	
	Mean of A and B (Mean Temperature).	Minimum (B.)	Maximum (A.)	Mean of	Day of Month.	Depression of Wet Bulb.	Dry Bulb.	Vapour Pressure.	Day of Month.	Day of Month.	°	inch.	per cent.	inch.	inch.	inch.	inch.	inch.
GLASGOW, Professor J. R. CURRIE, M.D., The University.	29.677	29.834	45.6	36.4	41.0	+1.9	53	15 <i>th</i>	32	25 <i>th</i>	41.0	1.3	220	84	19	4.09	+1.21	0
EDINBURGH, Professor R. A. SAMPSON, F.R.S., Royal Observatory.	29.367	29.854	44.9	35.1	40.0	+1.7	55	15 <i>th</i>	28	26 <i>th</i>	39.5	1.9	198	83	20	2.57	+0.98	1
DUNDEE, A. MACRAE, Curator of Cemeteries.	29.626	29.810	44.1	34.6	39.3	+1.8	53	22 <i>nd</i>	28	26 <i>th</i>	38.8	1.3	210	88	16	1.83	-0.05	0
ABERDEEN*, The Meteorological Office.	29.671	29.773	45.0	36.4	40.7	+2.4	56	8 <i>th</i>	28	23 <i>rd</i>	39.9	2.3	198	79	9	0.64	-1.41	0
PAISLEY, The Coats Observatory.	29.730	29.851	46.1	36.8	41.5	+1.9	56	22 <i>nd</i>	31	25, 26	41.5	1.8	220	84	19	5.08	+1.57	1
GREENOCK, [†] J. MACALISTER, M.Inst.C.E., Greenock Waterworks.	29.577	29.840	46.0	36.4	41.2	+2.6	53	7, 8, 9, 15	32	37 <i>th</i>	40.6	1.7	220	85	20	6.41	+0.79	0
PERTH, [†] J. RITCHIE, The Museum.	29.780	29.805	45.9	34.4	40.1	+2.5	56	19, 22	26	26 <i>th</i>	39.5	1.2	213	89	18	2.28	+0.01	1
Means . .	171	29.633	29.824	45.4	35.7	40.5	+2.1	..	..	..	40.1	1.7	211	85	17	3.27	+0.44	0

North Latitude.—Glasgow, 56° 52'; Edinburgh, 56° 55'; Dundee, 56° 28'; Aberdeen, 56° 57'; Paisley, 57° 9'; Greenock, 55° 51'; Perth, 56° 23'; Mean, 56° 14'. West Longitude.—Glasgow, 4° 17'; Edinburgh, 3° 11'; Dundee, 2° 57'; Aberdeen, 2° 57'; Paisley, 4° 27'; Greenock, 4° 46'; Perth, 8° 25'; Mean, 3° 36'.

* At 7 A.M. and 6 P.M.
† At 9 A.M. only.

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For Official Use.

MONTHLY RETURN

OF THE

Births, Deaths, and Marriages

IN

Sixteen of the Principal Towns of Scotland

MARCH 1928.

Published by Authority of the Registrar-General.

REPORT

During the month of March 1928 there were registered in the Sixteen Principal Towns of Scotland, those burghs which at the date of the 1921 Census had populations of over 30,000, the births of 4480 living children, of whom 2276 were males, and 2204 were females. Compared with the number registered in February, that of male children is 326 more, of female children 280 more, and that of children of both sexes 606 more.

The monthly birth-rate in these towns taken collectively was 21·9 per thousand, which rate is 1·7 more than that of the previous month, but is 1·3 less than the March average.

In the individual towns the monthly birth-rate averaged 21·5, and ranged from 24·6 in Falkirk, 24·4 in Dundee, 23·6 in Glasgow, and 23·2 in Coatbridge, to 15·8 in Dunfermline 17·8 in Edinburgh, 20·1 in Clydebank and 20·3 in Paisley. In Ayr the monthly birth-rate was 23·0, in Motherwell and Wishaw 22·6, in Greenock 22·4, in Kirkcaldy 22·1, in Perth 21·4, in Hamilton 21·3, in Aberdeen 20·6 and in Kilmarnock 20·5.

Of the 4480 living children registered during the month, 4206, or 93·9 per cent., were legitimate, while 274, or 6·1 per cent., were illegitimate. The legitimate children of the month numbered 603 more than in February, and the illegitimate children 3 more. The illegitimate rate of the month, 6·1 per cent., is 0·9 less than that of the previous month. In the individual towns the illegitimate rate varied from 9·6 per cent. in Ayr, 8·7 in Aberdeen, 8·2 in Perth and 8·1 in Hamilton, to 2·0 in Paisley, 2·2 in Motherwell and Wishaw, 2·3 in Coatbridge and 3·1 in Kilmarnock. In Glasgow this rate was 6·2 per cent., in Edinburgh 7·0 and in Dundee 6·1.

Marriages registered in these towns during the month numbered 1018, and equalled a marriage-rate of 5·0 per thousand. This number is 224 less than that of the previous month. This rate is 1·5 less than that of the previous month, and 1·2 less than the March average. In the individual towns the monthly marriage-rate varied from 6·9 in Aberdeen, 6·7 in Perth, 5·5 in Edinburgh, and 5·3 in Glasgow, to 2·1 in Coatbridge, 2·7 in Motherwell and Wishaw, 2·9 in Clydebank and 3·2 in Hamilton and in Kilmarnock.

NOTE.—The averages used for comparison are the means of the same rates in the corresponding months of the three preceding years.

Deaths registered in these towns during the month numbered 3599, which is 409 more than in February. Deducting the deaths of persons with usual residence in Scotland but outwith the town of registration, and adding those of persons dying elsewhere in Scotland but with usual residence in one or other of these towns, the corrected number is found to be 3429, and to include the deaths of 1633 males and 1796 females. The corrected number is 405 more than in February.

The monthly death-rate in these towns taken collectively and based on the corrected number of deaths is 16·8 per thousand. This rate is 1·0 more than that of the previous month, and 0·2 more than the March average. In the individual towns the monthly death-rate averaged 15·7, and varied from 22·4 in Greenock, 18·0 in Glasgow, 17·1 in Dundee, and 16·8 in Perth, to 10·7 in Clydebank, 10·9 in Motherwell and Wishaw, 14·4 in Hamilton, and 14·8 in Ayr and in Falkirk. In Kirkcaldy the monthly death-rate was 16·6, in Coatbridge 16·5, in Dunfermline 16·4, in Aberdeen 16·3, in Kilmarnock 15·5, in Paisley 15·4 and in Edinburgh 15·2.

Deaths of children of less than one year old numbered 511, and equalled an infantile mortality rate of 121 per thousand of the average number of births registered monthly in these towns during the preceding twelve months. These deaths number 69 more than in February. This rate is 10 more than in February and 7 more than the March average. In the individual towns the infantile mortality rate of the month averaged 109, and varied from 253 in Greenock (due to prevalence of measles), 129 in Aberdeen, 128 in Glasgow, and 125 in Clydebank, to 63 in Perth, 74 in Paisley, and 90 in Kilmarnock. In Dundee this rate was 109, in Edinburgh 107, in Kirkcaldy 100, in Ayr 98, in Falkirk 97, in Coatbridge 96, in Motherwell and Wishaw 93, in Hamilton 93, and in Kilmarnock 90.

Deaths from the principal epidemic diseases numbered 301, and equalled a death-rate of 1·5 per thousand. These deaths collectively number 35 more than in February, and 42 more than the March average. They included 1 death from enteric fever, 138 from measles, 3 from scarlet fever, 106 from whooping-cough, 30 from diphtheria, and 23 from the diarrhoeas of childhood. Compared with the returns of the previous month, deaths from whooping-cough are 27 more, from measles 18 more, and from enteric fever 1 more, but those from diphtheria are 7 fewer, from scarlet fever 2 fewer, and from the diarrhoeas of childhood 2 fewer.

Deaths from influenza in all numbered 54, which is 12 more than in the previous month. In December last these deaths numbered 60, in January 60, and in February 42.

Deaths from respiratory diseases other than phthisis, but exclusive of those associated with influenza, numbered 697, which is 132 more than in February. These deaths equal a death-rate of 3·4 per thousand, which is 0·4 more than that of the previous month, but equals the March average.

Deaths from all forms of tuberculous disease numbered 281, of which 193 were attributed to tuberculosis of the respiratory system. The former number is 66 more than that of February, and 8 more than the March average. The latter number is 45 more than that of February, but 2 less than the March average.

METEOROLOGICAL NOTES supplied by the Meteorological Office, Edinburgh.

MARCH 1928.

Mean barometric pressure, 29.774 in.; less than the average of 1881-1915 by 0.027 in.

Mean temperature, $40^{\circ}5$; greater by $0^{\circ}2$.

Mean daily range of temperature, $8^{\circ}2$; less by $3^{\circ}4$.

Rain, depth in inches, 3.89 ; greater by 1.10 in.

Wind, direction of: an 11 days' excess of winds from between north-east and south-east.

Pressure was at first high over Scandinavia and then over Iceland also, with an anticyclonic wedge extending southwards over the British Isles, from 8th to 13th, and very cold north-easterly winds. By 15th the anticyclone had drifted eastwards and pressure was low over the Atlantic. On 29th a depression developed off the north west of Ireland; moved slowly to Scotland, becoming very deep; and then on 31st moved south and began to fill up. The range of pressure was large, and at Edinburgh, at mean sea-level, the extremes were 30.38 in. on 10th and 28.53 in. on 29th,—the latter being the lowest point touched in March since 1913.

Temperature was fairly high at first (59° at Ruthwell on 3rd and at Ford on 4th); but after 4th fell steadily to a minimum between 11th and 13th (16° at West Linton on 13th), and at Edinburgh the week ending 17th was the coldest of the year. By 17th mild conditions were established (59° at Gordon Castle), but there was a touch of cold around 22nd. On 29th there was a decided drop in temperature. The mean temperature of the month differed but little from the normal, but the days were on the whole cold and the nights mild, and for Scotland as a whole so low a mean daily range for March has been recorded during the last sixty years only in 1916.

Rainfall was below the normal in Midlothian, and in north-west and north, as a rule, decidedly so; but elsewhere there was, in general, a moderate to fairly large excess, and at Balmoral, Blair Atholl and Dundee, for example, aggregates were more than twice the normal. In the west there were only trifling falls until 16th; but on 1st Aberdeen had nearly 1 in., and on 5th moderate falls were general in the east. Snow fell in many districts between 8th and 13th. From 16th to 21st there were some heavy rains, at first in the west and then more generally. At Arccchar the 5 days' aggregate from 16th to 20th was $7\frac{3}{4}$ in., with nearly $2\frac{1}{2}$ in., on 19th and again on 20th; and in Perthshire especially on 19th and 20th there were some heavy falls,—on 20th, 3.40 in. at Glengyle on Loch Katrine and 2.66 in. at Aberfeldy. After two or three fine days conditions became rather unsettled, with some fairly heavy falls on 29th (2.22 in. at Langholm).

At many places snow or hail fell on every day from 8th or 9th to 13th, and from 10th to 12th a very severe snowstorm visited nearly the whole of Scotland, and indeed nearly the whole of Great Britain. At Glasgow on 11th there was a level fall of about 6 in. With a gale from east-north-east conditions were very stormy and many roads were blocked with snow drifts. Wind force was again high on 21st and 29th, with fairly heavy snow in various districts on 29th. There was heavy flooding of many rivers, notably in Perthshire, about 21st.

Thunder occurred at, or near Dundee on 10th and 11th; at Baltasound (Shetland) on 15th; and in the Dumfries district on 30th.

A good deal of fog was experienced on the east coast, notably around 4th and from 23rd to 25th, and in the east especially sunshine aggregates were very deficient. At Marchmont, in Berwickshire, the month was the cloudiest March for at least 40 years.

Aurora was observed at Aberdeen on 11th, at Lerwick on 12th and at Baltasound on 13th.

NOTE.—The mean values refer to those of the Principal Towns named in meteorological Table on p. 24.

TABLE I.—ABSTRACT OF BIRTHS, DEATHS, AND MARRIAGES
in the Principal Towns, MARCH 1928.

TOWNS.	POPULATION.		BIRTHS.					MARRIAGES.	DEATHS.					
	Census 1921.	Estimated to middle of 1928.	Males.	Females.	Total.	Legiti-mate.	Illegiti-mate.		Registered	Transfers	Males.	Females.	Total.	Out.	In.	Total Corrected.
GLASGOW,	1,051,518	1,060,500	1080	1036	2116	1985	131	476	834	870	1704	129	44	1619
EDINBURGH,	420,264	426,300	320	324	644	599	45	197	306	312	618	82	14	550
DUNDEE,	188,315	174,800	201	160	361	339	22	57	113	146	259	8	2	253
ABERDEEN,	158,963	158,500	132	144	276	252	24	93	100	122	222	33	30	219
PAISLEY,	84,837	87,900	82	69	151	148	3	36	55	67	122	10	3	115
GREENOCK,	81,123	80,200	69	83	152	144	8	28	75	83	158	7	1	152
MOTHERWELL AND WISHAW,	68,869	70,100	59	75	134	131	3	16	24	28	52	1	14	65
CLYDEBANK,	46,601	48,600	48	35	83	77	6	12	15	14	29	2	17	44
COATBRIDGE,	43,919	44,300	39	48	87	85	2	8	28	26	54	0	8	62
DUNFERMLINE,	39,899	38,200	23	28	51	47	4	13	26	31	57	9	5	53
KIRKCALDY,	39,591	41,100	38	39	77	74	3	16	26	31	57	4	5	58
HAMILTON,	39,504	41,100	39	35	74	68	6	11	29	23	52	6	4	50
KILMARNOCK,	35,911	37,400	31	34	65	63	2	10	25	31	56	12	5	49
AYR,	35,763	37,500	35	38	73	66	7	16	22	34	56	11	2	47
FALKIRK,	33,308	36,000	45	30	75	72	3	10	21	22	43	7	9	45
PERTH,	33,208	33,700	35	26	61	56	5	19	32	28	60	16	4	48
TOTAL (SIXTEEN TOWNS)	2,381,593	2,416,200	2276	2204	4480	4206	274	1018	1731	1868	3599	337	167	3429

TABLE II.—BIRTH-RATES, DEATH-RATES, AND MARRIAGE-RATES
in the Principal Towns, MARCH 1928.

TOWNS.	Birth-Rate per 1000 of Population.	Illegitimate Birth-Rate per 100 Births.	Marriage-Rate per 1000 of Population.	DEATH-RATES PER 1000 of POPULATION FROM						DEATHS UNDER ONE YEAR OF AGE.			
				All Causes.		Regis-tered.	Corr. for Trans-fers.	Principal Epidemic Diseases.	All Tubercu-losis.	Tuberc. of Respiratory System.	All Re-spiratory Diseases.	Number.	* Rate per 1000 Births.
GLASGOW,	23·6	6·2	5·3	19·0	18·0	1·8		1·5	1·0	4·0	255	128	
EDINBURGH,	17·8	7·0	5·5	17·1	15·2	1·2		1·5	1·1	2·9	68	107	
DUNDEE,	24·4	6·1	3·8	17·5	17·1	0·3		0·9	0·7	3·9	32	109	
ABERDEEN,	20·6	8·7	6·9	16·5	16·3	1·0		1·1	0·9	2·3	35	129	
PAISLEY,	20·3	2·0	4·8	16·4	15·4	1·1		1·7	1·6	2·8	11	74	
GREENOCK,	22·4	5·3	4·1	23·3	22·4	7·1		1·8	1·0	3·4	39	253	
MOTHERWELL AND WISHAW,	22·6	2·2	2·7	8·8	10·9	0·3		0·8	0·2	2·9	12	93	
CLYDEBANK,	20·1	7·2	2·9	7·0	10·7	0·2		1·7	1·0	1·2	11	125	
COATBRIDGE,	23·2	2·3	2·1	14·4	16·5	1·9		1·1	0·5	4·3	9	96	
DUNFERMLINE,	15·8	7·8	4·0	17·6	16·4	0·3		0·9	0·3	2·2	5	91	
KIRKCALDY,	22·1	3·9	4·6	16·4	16·6	0·0		0·9	0·6	2·3	6	100	
HAMILTON,	21·3	8·1	3·2	14·9	14·4	0·9		1·1	0·9	2·9	7	93	
KILMARNOCK,	20·5	3·1	3·2	17·7	15·5	0·6		0·6	0·6	4·7	6	90	
AYR,	23·0	9·6	5·0	17·6	14·8	0·3		0·6	0·6	1·3	6	98	
FALKIRK,	24·6*	4·0	3·3	14·1	14·8	0·7		2·3	1·0	4·3	6	97	
PERTH,	21·4	8·2	6·7	21·0	16·8	0·7		0·7	0·7	1·4	3	63	
TOTAL (SIXTEEN TOWNS)	21·9	6·1	5·0	17·6	16·8	1·5		1·4	0·9	3·4	511	121	

* Based on the average number of births registered monthly during the past 12 months

TABLE III.—BIRTH-RATE, DEATH-RATE, &c. FOR MARCH 1928, AND FOR THE CORRESPONDING MONTH OF THE PRECEDING TEN YEARS, IN THE PRINCIPAL TOWNS.

Month.	Birth-Rate.	Illegitimate Birth-rate per 100 Births.	Marriage-Rate.	DEATHS FROM										Infantile Mortality Rate.	Mean Temperature, Seven Towns only).
				Death-Rate.	Enteric Fever.	Smallpox.	Measles.	Scarlet Fever.	Whooping-Cough.	Diphtheria.	Diarrhoea (Under 2 Years).	(13)	(14)		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)		
MAR. 1928, .	21·9	6·1	5·0	16·8	1	0	138	3	106	30	23	121	40°·5		
MAR. 1927, .	23·0	5·9	6·1	16·8	0	0	22	7	79	26	42	112	43°·8		
MAR. 1926, .	24·3	5·4	6·0	17·4	0	0	158	30	42	41	35	119	43°·0		
MAR. 1925, .	22·5	6·4	6·3	15·2	2	0	87	30	147	50	29	108	41°·1		
MAR. 1924, .	23·4	6·5	6·6	23·3	1	0	166	18	196	21	30	173	37°·7		
MAR. 1923, .	24·8	6·8	6·2	14·6	0	0	57	18	69	31	28	94	42°·7		
MAR. 1922, .	27·6	6·9	6·5	17·1	2	0	316	9	77	22	45	125	40°·6		
MAR. 1921, .	27·0	7·6	9·2	17·9	4	0	29	17	205	39	52	114	42°·6		
MAR. 1920, .	35·7	7·2	10·7	18·7	8	3	94	15	30	41	52	146	42°·7		
MAR. 1919, .	18·8	10·3	8·9	27·0	5	0	59	8	225	39	37	187	36°·2		
MAR. 1918, .	19·3	8·1	7·9	14·6	5	0	63	4	96	27	30	101	41°·4		

Figures in columns 5-13 have been corrected for non-resident deaths.

* Per 1000 of the average number of births registered monthly during the past 12 months.

AGGREGATE OF THE SIXTEEN PRINCIPAL TOWNS—March 1928.

Causes of Death.

DEATHS IN EACH TOWN (corrected for Transfers)—March 1928.

CAUSES OF DEATH.		Total.	Glasgow.	Edinburgh.	Dundee.	Aberdeen.	Paisley.	Greenock.	Motherwell and Wishaw.	Clydebank.
Enteric Fever	...	1	...	1	...	...	...	...	...	...
Typhus Fever	...	...	...	...	...	...	...	...	...	...
Small-pox	...	...	...	...	...	...	...	...	...	...
Measles	...	138	64	20	2	5	...	40	...	...
Scarlet Fever	...	3	2	1	...	4	7	5	1	1
Whooping-cough	...	106	69	16	...	4	...	3	...	1
Diphtheria	...	30	17	1	3	4	1	...	1	1
Influenza	...	54	28	10	3	4	1	...	...	1
Encephalitis Lethargica	...	3	1	1	...	...	...	...	...	1
Cerebro-spinal Meningitis	...	15	11	3	...	...	1	...	...	...
Other Epidemic Diseases	...	15	8	2	...	1	1	...	...	2
Tuberculosis of Respiratory System	...	193	89	41	10	12	12	7	1	4
Tuberculous Meningitis	...	42	19	7	3	3	...	1	3	2
Tuber. of Intestines and Peritoneum	...	12	8	1	...	...	1	...	...	1
Other Tuberculous Disease	...	34	22	4	1	...	...	1	...	...
Malignant Tumours	...	283	116	54	34	18	11	5	2	1
Rheumatic Fever	...	11	1	4	1	1	1	...	1	...
Meningitis (not Cerebro-spinal or Tuber.)	...	24	15	4	...	1	1	2	...	2
Apoplexy	...	271	111	63	25	18	6	7	6	3
Heart Disease	...	405	171	73	29	32	15	11	9	3
Diseases of Arteries	...	52	18	8	4	4	4	2	...	...
Bronchitis	...	256	131	35	22	12	9	4	8	3
Pneumonia (all forms)	...	405	219	62	33	15	11	19	6	1
Other Diseases of Respiratory System	...	36	12	6	3	4	1	...	3	1
Diarrhoea and Enteritis (under 2 years)	...	23	10	4	...	5	1	...	1	...
Appendicitis	...	21	8	2	2	1	2	1	...	...
All Diseases of Liver (not Malignant)	...	32	11	8	1	4	...	2	1	...
Nephritis, Acute and Chronic	...	92	48	13	5	8	4	4	1	...
Puerperal Sepsis	...	18	8	4	2	2	...	...	...	1
Other Diseases and Accidents of Pregnancy and Parturition	...	19	9	2	3	1	1	2	...	1
Dis. of Early Infancy and Malformations	...	200	101	22	15	15	6	9	5	7
Suicide	...	18	6	4	3	1	...	...	...	...
Other Violent Deaths	...	100	42	12	10	11	5	4	5	5
Other Defined Diseases	...	466	212	61	36	36	14	20	9	5
Causes Ill-defined or Unknown	...	51	32	1	3	1	...	3	1	3
All Causes	...	3429	1619	550	253	219	115	152	65	44
AGE AT DEATH.										
Under 1	...	511	255	68	32	35	11	39	12	11
1- 4	...	351	210	41	10	13	10	37	6	3
5- 9	...	75	32	5	8	3	2	8	1	3
10-14	...	37	16	8	4	3	1	...	...	1
15-24	...	142	75	16	9	7	5	3	3	3
25-34	...	174	85	26	19	12	10	6	2	3
35-44	...	194	91	31	9	17	7	5	2	3
45-54	...	343	159	61	22	20	12	11	9	3
55-64	...	442	206	76	34	25	18	15	8	5
65-74	...	617	275	108	53	38	18	14	17	6
75-84	...	424	173	82	39	37	17	13	4	1
85 and over	...	119	42	28	14	9	4	1	1	2
All Ages	...	3429	1619	550	253	219	115	152	65	44

DEATHS IN EACH TOWN (corrected for Transfers)—March 1928—*continued.*

CAUSES OF DEATH.		Coatbridge.	Dunfermline.	Kirkcaldy.	Hamilton.	Kilmarnock.	Ayr.	Falkirk.	Perth.
Enteric Fever ...		...	...	...	...	...	...	...	...
Typhus Fever ...		...	...	...	...	...	...	...	...
Small-pox ...		...	...	...	...	...	...	...	...
Measles ...		5	1	...	1	...	...	...	...
Scarlet Fever ...		...	...	...	...	...	...	...	...
Whooping-cough ...		1	...	...	2	...	...	1	...
Diphtheria ...		...	...	1	...	1	1	1	2
Influenza ...		3	...	...	...	...	1	2	...
Encephalitis Lethargica ...		...	...	...	...	...	...	...	1
Cerebro-spinal Meningitis ...		...	...	...	...	...	...	...	2
Other Epidemic Diseases ...		...	...	...	...	...	...	...	...
Tuberculosis of Respiratory System ...		2	1	2	3	2	2	3	...
Tuberculous Meningitis ...		1	1	...	1	...	...	1	...
Tuber. of Intestines and Peritoneum ...		...	...	1	...	...	...	...	...
Other Tuberculous Disease ...		1	1	...	...	...	...	3	...
Malignant Tumours ...		4	8	5	7	7	4	4	3
Rheumatic Fever ...		...	...	...	...	1	...	...	1
Meningitis (not Cerebro-spinal or Tuber.) ...		...	...	1	...	...	...	...	...
Apoplexy ...		2	5	11	4	5	3	...	3
Heart Disease ...		6	12	11	8	5	9	3	8
Diseases of Arteries ...		1	1	4	...	2	...	1	3
Bronchitis ...		7	2	6	6	8	...	3	...
Pneumonia (all forms) ...		9	3	2	4	7	2	9	3
Other Diseases of Respiratory System ...		...	2	...	...	...	2	1	1
Diarrhoea and Enteritis (under 2 years) ...		1	...	...	...	1	...	...	...
Appendicitis ...		1	...	1	...	...	1	...	2
All Diseases of Liver (not Malignant) ...		2	...	...	...	...	...	1	2
Nephritis, Acute and Chronic ...		3	...	1	1	1	2	1	...
Puerperal Sepsis ...		...	...	...	...	1	...	...	...
Other Diseases and Accidents of Pregnancy and Parturition ...		...	...	...	...	...	...	...	...
Dis. of Early Infancy and Malformations ...		1	5	1	2	2	5	3	1
Suicide ...		...	...	...	...	1	...	...	3
Other Violent Deaths ...		1	...	1	1	...	1	2	...
Other Defined Diseases ...		10	11	10	7	5	11	6	13
Causes Ill-defined or Unknown ...		1	...	...	3	...	3	...	...
All Causes ...		62	53	58	50	49	47	45	48
AGE AT DEATH.									
Under 1 ...		9	5	6	7	6	6	6	3
1-4 ...		8	1	...	1	2	1	6	2
5-9 ...		1	1	2	3	4	1	...	1
10-14 ...		1	...	...	1	1	...	...	1
15-24 ...		5	3	2	1	2	2	1	5
25-34 ...		1	2	...	1	2	...	3	2
35-44 ...		7	5	1	3	3	4	4	2
45-54 ...		7	5	6	6	4	7	6	5
55-64 ...		3	4	7	9	8	5	10	9
65-74 ...		13	12	18	11	11	9	6	8
75-84 ...		6	13	12	5	5	9	2	6
85 and over ...		1	2	4	2	1	3	1	4
All Ages ...		62	53	58	50	49	47	45	48

ABSTRACT OF METEOROLOGICAL OBSERVATIONS

Made at GLASGOW, EDINBURGH, DUNDEE, ABERDEEN, PAISLEY, GREENOCK, and PERTH,

During the Month of MARCH 1928.

OBSERVERS.	AIR PRESSURE at 9 A.M. and 9 P.M.		AIR TEMPERATURE.		HYGROMETER.		RAIN, AND OTHER FORMS OF PRECIPITATION.		WIND DIRECTIONS																		
	Mean at Sea-Level and 32°.		Absolute Maximum and Minimum.		Mean at 9 A.M. and 9 P.M.		Number of Days.		Number of Observations at 9 A.M. and 9 P.M.																		
	Height of Barometer above Sea-level.	Mean at Station-level and 32°.	Day of Month.	Minimum.	Dry Bulb.	Humidity.	N	NE	E	SE	S	SW	W	NW													
	feet.	inch.	°	°	°	°	inch.	inch.	inch.	inch.	inch.	inch.	inch.	inch.													
GLASGOW, Professor J. R. CURRIE, M.D., The University.	139	29.603	29.760	45.1	37.1	41.1	+0.5	.53	19th	26	11,13	41.0	2.0	.213	+0.71	0	12	22	8	4	8	6	2	0			
EDINBURGH, Professor R. A. SAMPSON, F.R.S., Royal Observatory.	441	29.293	29.781	44.2	35.5	39.9	0.0	.55	17th	24	13th	39.5	1.7	.200	.85	.23	1.48	-0.31	1	8	13	10	9	4	2	11	
DUNDEE, A. MACRAE, Curator of Cemeteries.	164	29.601	29.785	42.9	35.5	39.2	-0.6	.51	26th	27	11th	39.1	0.9	.220	.92	.24	4.67	+2.61	0	19	0	32	0	8	0	3	0
ABERDEEN,* The Meteorological Office.	90	29.701	29.803	43.9	37.2	40.5	+0.4	.53	2nd	30	11th	39.7	1.7	.210	.85	.24	3.57	+1.16	5	6	9	12	16	3	1	4	6
PAISLEY, The Coats Observatory.	107	29.633	29.754	45.9	36.9	41.4	-0.4	.55	20th	22	12th	41.8	1.9	.226	.83	.23	4.02	+0.84	1	8	22	8	11	4	4	3	1
GREENOCK,† J. MACALISTER, M.Inst. C.E., Greenock Waterworks.	238	29.517	29.760	44.7	36.6	40.7	+0.6	.54	20th	27	11,13	39.9	1.4	.220	.87	.26	5.58	+0.65	2	16	20	9	4	4	6	1	0
PERTH,† J. RICHIE, The Museum.	22	29.707	29.772	45.5	36.0	40.7	+0.6	.53	2,19, 26	23	11th	40.4	1.0	.226	.91	.26	4.53	+2.04	1	29	4	24	0	4	0	0	0
Means . .	171	29.579	29.774	44.6	36.4	40.5	+0.2	40.2	1.5	.216	.87	24	3.89	+1.10	1	14	13	15	6	5	3	2	3

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MONTHLY RETURN

OF THE

Births, Deaths, and Marriages

IN

Sixteen of the Principal Towns of Scotland

APRIL 1928.

Published by Authority of the Registrar-General.

REPORT

During the month of April 1928 there were registered in the Sixteen Principal Towns of Scotland, those burghs which at the date of the 1921 Census had populations of over 30,000, the births of 4500 living children, of whom 2320 were males, and 2180 were females. Compared with the number registered in March, that of male children is 44 more, but that of female children is 24 less, while that of children of both sexes is 20 more.

The monthly birth-rate in these towns taken collectively was 22·7 per thousand, which rate is 0·8 more than that of the previous month, but 1·0 less than the April average.

In the individual towns the monthly birth-rate averaged 22·9, and varied from 30·0 in Coatbridge, 26·8 in Perth, 26·5 in Falkirk, and 25·1 in Greenock, to 16·3 in Kilmarnock, 17·2 in Edinburgh, 18·4 in Kirkcaldy, and 19·5 in Dunfermline. In Glasgow this rate was 24·5, in Hamilton 24·4, in Clydebank 24·1, in Aberdeen 23·9, in Paisley 23·0, in Dundee 22·7, in Ayr 21·8, and in Motherwell and Wishaw 21·6.

Of the 4500 living children whose births were registered during the month, 4242, or 94·3 per cent., were legitimate, while 258, or 5·7 per cent., were illegitimate. The legitimate children of the month numbered 36 more than in the previous month, but the illegitimate children numbered 16 fewer. The illegitimate rate of the month, 5·7 per cent., is 0·4 less than that of the previous month. In the individual towns the illegitimate rate varied from 10·0 per cent. in Aberdeen, 8·6 in Dundee, 7·5 in Ayr and 7·3 in Hamilton, to 1·6 in Dunfermline, 2·0 in Kilmarnock, and 2·6 in Falkirk. In Glasgow this rate was 5·6 per cent. and in Edinburgh 4·8.

Marriages registered in these towns during the month numbered 1897, and equalled a marriage-rate of 9·6 per thousand. This number is 879 more than that of the previous month. This rate is 4·6 more than that of the previous month, and 0·9 more than the April average. In the individual towns the marriage-rate averaged 8·4, and varied from 10·8 in Kilmarnock, 10·4 in Dundee and 10·2 in Glasgow, in Edinburgh and in Aberdeen, to 5·7 in Paisley, 6·0 in Clydebank, and 6·1 in Coatbridge.

Deaths registered in these towns during the month numbered 3338, which is

NOTE.—The averages used for comparison are the means of the same rates in the corresponding months of the three preceding years.

261 less than in the previous month. Deducting the deaths of persons with usual residence in Scotland but outwith the town of registration, and adding those of persons dying elsewhere in Scotland but with usual residence in one or other of these towns, the corrected number is found to be 3190, and to include the deaths of 1623 males and 1567 females. The corrected number is 240 less than that of the previous month.

The monthly death-rate in these towns taken collectively and based on the corrected number of deaths is 16·1 per thousand. This rate is 0·7 less than that of the previous month, and 0·3 less than the April average. In the individual towns the monthly death-rate averaged 15·8, and varied from 19·6 in Hamilton, 19·3 in Greenock, 18·9 in Paisley, 17·9 in Dundee, and 17·6 in Coatbridge, to 12·2 in Kirkcaldy, 13·2 in Falkirk, 13·3 in Clydebank and 13·7 in Motherwell and Wishaw. In Glasgow this rate was 16·3, in Perth 15·9, in Aberdeen 15·9, in Edinburgh 15·1, in Kilmarnock 15·0, in Dunfermline 14·7, and in Ayr 14·6.

Deaths of children of less than one year old numbered 478, and equalled an infantile mortality rate of 116 per thousand of the average number of births registered monthly in these towns during the preceding twelve months. These deaths are 33 fewer than registered in March. This rate is 5 less than that of March, but is 7 more than the April average. In the individual towns the infantile mortality rate of the month averaged 126, and varied from 186 in Paisley, 164 in Falkirk, 158 in Aberdeen, 155 in Kirkcaldy and 150 in Ayr, to 70 in Clydebank, 81 in Motherwell and Wishaw, and 89 in Edinburgh. In Greenock this rate was 148, in Perth 125, in Hamilton 123, in Dundee 122, in Coatbridge 122, in Dunfermline 113, in Glasgow 111 and in Kilmarnock 97.

Deaths from the principal epidemic diseases numbered 296, and equalled a death-rate of 1·5 per thousand. These deaths collectively number 5 fewer than in the previous month, but 65 more than the April average. These deaths include 1 from enteric fever, 107 from measles, 10 from scarlet fever, 104 from whooping-cough, 38 from diphtheria, and 36 from the diarrhoeas of childhood. Compared with the returns of the previous month, deaths from the diarrhoeas of childhood are 13 more, from diphtheria 8 more, and from scarlet fever 7 more, but those from whooping-cough are 2 fewer, and from measles 31 fewer.

Deaths from influenza in all numbered 38, which is 16 fewer than in the previous month. In January last these deaths numbered 60, in February 42, and in March 54.

Deaths from respiratory diseases other than phthisis, but exclusive of those associated with influenza, numbered 552, which is 145 fewer than in March. These deaths equal a death-rate of 2·8 per thousand, which is 0·6 less than that of the previous month, and 0·5 less than the April average.

Deaths from all forms of tuberculous disease numbered 254, of which 183 were attributed to tuberculosis of the respiratory system. The former number is 27 less than that of March, and 37 less than the April average. The latter number is 10 less than in March, and 23 less than the April average.

METEOROLOGICAL NOTES supplied by the Meteorological Office, Edinburgh.

APRIL 1928.

Mean barometric pressure, 29.777 in.; less by 0.113 in.

Mean temperature, $45^{\circ}3$; greater by $0^{\circ}8$.

Mean daily range of temperature, $11^{\circ}9$; less by $2^{\circ}1$.

Rain, depth in inches, 1.54; less by 0.57 in.

Wind, direction of: a 2 days' excess of northerly and north-easterly winds.

Winds were at first south-westerly and then southerly; but by the middle of the month a high-pressure system had developed over Iceland and a stream of cold polar air flowed over the British Isles. Later, after two or three days of south-westerly winds around 24th, north-easterly or easterly winds prevailed. The range of pressure was moderate, and at Edinburgh, at mean sea-level, the extremes were 30.10 in. on 22nd and 29.30 in. on 10th.

Until about 11th temperature was on the whole above the normal; but there then set in an extremely cold spell, with severe ground frosts and at Braemar on night of 15th-16th a temperature in screen of 18° . At Edinburgh, the mean temperature of the third week was that to be looked for in the early part of a normal January. After fairly warm weather around 25th, temperature was rather low, at least in eastern districts, during the last two or three days of the month. The highest reading recorded was 73° at Kelso on 26th.

In one or two exceptional areas, as in Wigtownshire, and around Loch Katrine, rainfall was fully equal to the normal, and Aberdeen had an appreciable excess. In general, however, there was a well-marked deficiency and this was, perhaps, most decided in Fife and Midlothian, which had less than half the normal. Conditions were rather unsettled until 4th, with some fairly heavy rains in west on 2nd (1.17 in. at Inveraray); and after a fair interval, rain was somewhat general from 8th to 10th, moderate in the east but fairly heavy towards north west (2.42 in. at Ardtornish, on the Sound of Mull, on 9th). After 12th many areas had only trifling precipitation; but in north-east and north there were rather heavy falls, partly accounted for by snow, from 17th to 20th; and around 22nd and 25th, there were some moderate rains. At Edinburgh the month was the driest April since 1912.

Wintry conditions prevailed during the third week, with snow and hail on several days in many districts—on 18th as far South as Dumfries. Wind force was in general moderate, though high at times during the wintry period.

Thunder occurred here and there from 3rd to 5th; from 10th to 12th—somewhat widely on 10th; and from 25th to 28th—somewhat widely in west on 26th.

Fog occurred at times on the east coast, notably on 29th and 30th, and in the east sunshine aggregates were much below the normal.

Aurora was observed at Baltasound, Shetland, on 15th; at Lerwick on 16th; and at Aberdeen on 15th, 16th, 17th.

NOTE.—The mean values refer to those of the Principal Towns named in meteorological Table on p. 32.

Abstract.

TABLE I.—ABSTRACT OF BIRTHS, DEATHS, AND MARRIAGES
in the Principal Towns, APRIL 1928.

TOWNS.	POPULATION.		BIRTHS.						DEATHS.					
	Census 1921.	Estimated to middle of 1928.	Males.	Females.	Total.	Legiti-mate.	Illegiti-mate.	MARRIAGES.	REGISTERED	TRANSFERS	Total	Out.	In.	Total Corrected.
GLASGOW,	1,051,518	1,060,500	1103	1027	2130	2011	119	891	747	755	1502	138	52	1416
EDINBURGH,	420,264	426,300	320	281	601	572	29	356	306	281	587	80	19	526
DUNDEE,	168,815	174,800	174	151	325	297	28	149	119	142	261	10	5	256
ABERDEEN,	158,963	158,500	150	160	310	279	31	132	107	102	209	30	27	206
PAISLEY,	84,837	87,900	92	74	186	159	7	41	67	70	187	8	7	136
GREENOCK,	81,123	80,200	76	89	165	158	7	52	65	64	129	5	3	127
MOTHERWELL AND WISHAW,	68,869	70,100	66	58	124	118	6	39	42	25	67	0	12	79
CLYDEBANK,	46,601	48,600	53	43	96	93	3	24	14	19	33	0	20	53
COATBRIDGE,	43,919	44,300	51	58	109	102	7	22	33	29	62	2	4	64
DUNFERMLINE,	39,899	38,200	30	31	61	60	1	20	26	24	50	10	6	46
KIRKCALDY,	39,591	41,100	34	28	62	60	2	30	29	13	42	5	4	41
HAMILTON,	39,504	41,100	38	44	82	76	6	33	33	28	61	4	9	66
KILMARNOCK,	35,911	37,400	29	21	50	49	1	33	23	26	49	8	5	46
AYR,	35,763	37,500	24	43	67	62	5	29	23	24	47	5	3	45
FALKIRK,	33,308	36,000	46	32	78	76	2	20	26	16	42	6	3	39
PERTH,	33,208	33,700	34	40	74	70	4	26	29	31	60	17	1	44
TOTAL (SIXTEEN TOWNS)	2,381,593	2,416,200	2320	2180	4500	4242	258	1897	1689	1649	3338	328	180	3190

TABLE II.—BIRTH-RATES, DEATH-RATES, AND MARRIAGE-RATES
in the Principal Towns, APRIL 1928.

TOWNS.	Birth-Rate per 1000 of Population.	Illegitimate Birth-Rate per 100 Births.	Marriage-Rate per 1000 of Population.	DEATH-RATES PER 1000 of POPULATION FROM						DEATHS UNDER ONE YEAR OF AGE.			
				All Causes.		Regis-tered.	Corr. for Trans-fers.	Principal Epidemic Diseases.	All Tubercu-losis.	Tuberc. of Respiratory System.	All Re-spiratory Diseases.	Number.	* Rate per 1000 Births.
GLASGOW,	24·5	5·6	10·2	17·3	16·3	1·2		1·4	0·9	3·1	216		111
EDINBURGH,	17·2	4·8	10·2	16·8	15·1	1·3		1·1	0·9	2·3	55		89
DUNDEE,	22·7	8·6	10·4	18·2	17·9	1·7		1·7	1·5	2·4	35		122
ABERDEEN,	23·9	10·0	10·2	16·1	15·9	1·8		1·5	1·2	2·3	42		158
PAISLEY,	23·0	4·2	5·7	19·0	18·9	2·5		2·1	1·1	2·8	27		186
GREENOCK,	25·1	4·2	7·9	19·6	19·3	5·3		1·1	0·8	4·4	22		148
MOTHERWELL AND WISHAW,	21·6	4·8	6·8	11·7	13·7	2·1		0·7	0·5	2·4	10		81
CLYDEBANK,	24·1	3·1	6·0	8·3	18·3	0·5		1·3	0·5	3·0	6		70
COATBRIDGE,	30·0	6·4	6·1	17·1	17·6	1·9		0·6	0·3	2·8	11		122
DUNFERMLINE,	19·5	1·6	6·4	16·0	14·7	1·3		0·3	0·3	1·6	6		113
KIRKCALDY,	18·4	3·2	8·9	12·5	12·2	0·0		0·9	0·9	3·0	9		155
HAMILTON,	24·4	7·3	9·8	18·1	19·6	3·6		1·5	0·9	3·0	9		123
KILMARNOCK,	16·3	2·0	10·8	16·0	15·0	1·0		1·0	1·0	3·3	6		97
AYR,	21·8	7·5	9·4	15·3	14·6	1·3		1·0	0·7	1·3	9		150
FALKIRK,	26·5	2·6	6·8	14·3	13·2	0·3		0·7	0·7	3·1	10		164
PERTH,	26·8	5·4	9·4	21·7	15·9	0·0		0·7	0·4	1·4	6		125
TOTAL (SIXTEEN TOWNS)	22·7	5·7	9·6	16·9	16·1	1·5		1·3	0·9	2·8	478		116

* Based on the average number of births registered monthly during the past 12 months

TABLE III.—BIRTH-RATE, DEATH-RATE, &c. FOR APRIL 1928, and for the Corresponding Month of the Preceding Ten Years, in the PRINCIPAL TOWNS.

MONTH.	Birth-Rate.	Illegitimate Birth-rate per 100 Births.	Marriage-Rate.	Death-Rate.	DEATHS FROM									*Infantile Mortality Rate.	Mean Temperature Seven Towns only).
					(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)			
(1)	(2)	(3)	(4)	(5)											
APR. 1928, .	22.7	5.7	9.6	16.1	1	0	107	10	104	38	36	116	45°.3		
APR. 1927, .	22.2	5.6	8.2	14.6	2	0	19	6	63	15	32	101	44°.4		
APR. 1926, .	24.8	6.0	8.4	19.4	2	0	138	25	59	41	33	123	47°.0		
APR. 1925, .	24.0	6.5	9.2	15.0	2	0	30	22	151	19	33	109	48°.5		
APR. 1924, .	23.8	6.5	8.8	17.8	1	0	150	21	135	18	41	130	48°.7		
APR. 1923, .	26.4	6.2	11.2	14.5	3	0	66	26	81	31	30	92	42°.9		
APR. 1922, .	26.2	7.0	9.5	18.1	1	0	505	8	83	27	33	135	41°.0		
APR. 1921, .	29.7	6.3	10.6	15.5	1	0	25	16	167	23	44	99	46°.0		
APR. 1920, .	34.5	6.9	13.3	19.7	4	6	128	9	37	40	45	148	44°.0		
APR. 1919, .	19.7	8.6	13.1	16.5	2	0	88	6	213	24	36	128	44°.7		
APR. 1918, .	23.3	7.9	9.6	15.1	4	0	111	8	86	28	38	118	43°.2		

Figures in columns 5-13 have been corrected for non-resident deaths.

* Per 1000 of the average number of births registered monthly during the past 12 months.

AGGREGATE OF THE SIXTEEN PRINCIPAL TOWNS—April 1928

CAUSES OF DEATH.	Total.	Males.	Females.	Age.											
				-1	1-	5-	10-	15-	25-	35-	45-	55-	65-	75-	85 & over.
Enteric Fever	—	—	—	1	1	—	—	—	—	—	—	—	1	—	—
Phthisis Fever	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Small-pox	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Measles	—	—	—	107	53	54	29	74	4	—	—	—	—	—	—
Scarlet Fever	—	—	—	10	9	1	—	9	—	—	—	—	—	—	—
Whooping-cough	—	—	—	104	54	50	51	52	1	—	—	—	—	—	—
Diphtheria	—	—	—	38	19	19	4	23	9	—	—	—	—	—	—
Influenza	—	—	—	38	14	24	1	2	1	1	1	—	5	5	8
Encephalitis Lethargica	—	—	—	3	2	1	—	—	—	—	—	—	2	2	7
Erebro-spinal Meningitis	—	—	—	11	4	7	6	4	—	—	—	—	—	—	—
Other Epidemic Diseases	—	—	—	9	6	3	—	1	—	—	—	—	2	2	4
Tuberculosis of Respiratory System	—	—	—	183	105	78	—	4	—	3	56	39	32	27	13
Tuberculous Meningitis	—	—	—	33	15	18	4	16	10	—	2	1	—	—	—
Tuberculosis of Intestines and Peritoneum	—	—	—	19	12	7	1	6	2	3	3	2	1	—	—
Other Tuberculous Disease	—	—	—	19	14	5	6	5	1	4	—	2	—	1	—
Malignant Tumours	—	—	—	317	140	177	—	—	1	—	8	12	53	90	105
Heumatic Fever	—	—	—	9	4	5	—	3	—	2	—	2	1	—	1
Meningitis (not Cer.-spin. or Tuberc.)	—	—	—	17	12	5	4	5	1	1	1	2	1	—	—
Pox	—	—	—	265	108	157	—	—	—	—	1	9	19	60	102
Heart Disease	—	—	—	396	184	212	1	—	2	4	12	10	16	46	64
Diseases of Arteries	—	—	—	44	27	17	—	—	—	—	—	—	2	5	10
Bronchitis	—	—	—	171	93	78	26	9	1	—	1	4	15	32	45
Pneumonia (all forms)	—	—	—	351	200	151	70	87	3	2	13	14	26	18	45
Other Diseases of Respiratory System	—	—	—	30	16	14	5	5	—	1	1	1	2	5	6
Diarrhoea and Enteritis (under 2 years)	—	—	—	36	16	20	33	3	—	—	—	—	—	—	—
Appendicitis	—	—	—	22	7	15	—	1	1	—	7	2	3	2	5
All Diseases of Liver (not Malignant)	—	—	—	27	9	18	—	1	—	—	1	2	7	9	4
Ephritis, Acute and Chronic	—	—	—	88	40	48	1	1	1	1	3	4	7	16	23
Uterine Sepsis	—	—	—	9	—	9	—	—	—	—	1	8	—	—	—
Other Dis. & Accidents of Preg. & Part.	—	—	—	19	—	19	—	—	—	—	3	6	10	—	—
Diseases of Early Infancy and Malform.	—	—	—	180	115	65	180	—	—	—	—	—	—	—	—
Suicide	—	—	—	22	16	6	—	—	—	2	1	5	8	5	1
Other Violent Deaths	—	—	—	99	65	34	8	8	17	1	9	6	12	9	14
Other Defined Diseases	—	—	—	464	238	226	50	22	11	7	20	20	30	60	84
Causes Ill-defined or Unknown	—	—	—	49	25	24	4	1	3	—	—	1	4	5	6
	3190	1623	1567	478	340	75	29	141	127	184	272	452	591	419	82

DEATHS IN EACH TOWN (corrected for Transfers)—April 1928.

CAUSES OF DEATH.		Total.	Glasgow.	Edinburgh.	Dundee.	Aberdeen.	Paisley.	Greenock.	Motherwell and Wishaw.	Clydebank.
Enteric Fever	...	1	...	...	...	...	...	...	...	...
Typhus Fever	...	...	...	...	...	...	...	...	...	...
Small-pox	...	...	...	...	...	...	...	...	...	...
Measles	...	107	23	23	4	11	1	22	10	1
Scarlet Fever	...	10	6	1	...	...	...	...	...	...
Whooping-cough	...	104	48	13	6	9	9	10	1	...
Diphtheria	...	38	14	4	8	2	6	...	...	...
Influenza	...	38	20	5	1	1	...	1	1	1
Encephalitis Lethargica	...	3	1	...	...	...	...	...	...	...
Cerebro-spinal Meningitis	...	11	7	3	...	...	...	...	...	...
Other Epidemic Diseases	...	9	7	...	...	...	...	...	...	...
Tuberculosis of Respiratory System	...	183	81	31	21	16	8	5	3	2
Tuberculous Meningitis	...	33	21	2	1	1	3	1	1	2
Tuber. of Intestines and Peritoneum	...	19	9	3	1	2	...	...	...	...
Other Tuberculous Disease	...	19	9	2	2	...	4	1	...	1
Malignant Tumours	...	317	132	68	31	21	11	7	6	3
Rheumatic Fever	...	9	2	3	1	1	...	...	...	1
Meningitis (not Cerebro-spinal or Tuber.)	...	17	9	2	2	...	1	1	...	1
Apoplexy	...	265	111	52	23	19	7	10	5	4
Heart Disease	...	396	154	81	36	24	20	8	9	7
Diseases of Arteries	...	44	17	10	5	4	...	...	1	2
Bronchitis	...	171	79	31	11	9	7	9	4	4
Pneumonia (all forms)	...	351	179	44	20	18	13	19	10	8
Other Diseases of Respiratory System	...	30	13	5	3	3	...	1	...	...
Diarrhoea and Enteritis (under 2 years)	...	36	15	3	6	2	2	3	1	1
Appendicitis	...	22	7	3	5	2	1	2	1	...
All Diseases of Liver (not Malignant)	...	27	13	4	2	...	4	1	...	2
Nephritis, Acute and Chronic	...	88	41	19	4	6	4	2	2	2
Puerperal Sepsis	...	9	5	1	2	1	...	...	...	...
Other Diseases and Accidents of Pregnancy and Parturition	...	19	10	3	...	2	1	1	...	1
Dis. of Early Infancy and Malformations	...	180	77	22	13	15	12	3	5	2
Suicide	...	22	9	1	5	1	1	...	...	...
Other Violent Deaths	...	99	47	15	5	6	4	3	3	3
Other Defined Diseases	...	464	222	71	32	29	15	14	13	7
Causes Ill-defined or Unknown	...	49	28	1	6	1	2	3	2	...
All Causes	...	3190	1416	526	256	206	136	127	79	53
AGE AT DEATH.										
Under 1	...	478	215	55	35	42	27	22	10	6
1-4	...	340	163	45	21	18	13	33	12	4
5-9	...	75	37	9	7	3	6	3	1	3
10-14	...	29	12	6	2	3	4	...	1	...
15-24	...	141	64	20	14	9	6	3	4	3
25-34	...	127	66	19	10	9	6	4	4	2
35-44	...	184	88	29	15	10	6	8	4	4
45-54	...	272	127	36	22	14	18	15	5	5
55-64	...	452	203	84	36	23	11	11	15	9
65-74	...	591	239	113	48	34	27	16	14	10
75-84	...	419	174	92	37	31	9	10	9	6
85 and over	...	82	28	18	9	10	3	2	...	1
All Ages	...	3190	1416	526	256	206	136	127	79	53

DEATHS IN EACH TOWN (corrected for Transfers)—April 1928—*continued.*

CAUSES OF DEATH.

		Coatbridge.	Dunfermline.	Kirkcaldy.	Hamilton.	Kilmarnock.	Ayr.	Falkirk.	Perth.
Enteric Fever	...	...	...	...	...	...	1	...	...
Typhus Fever	...	...	...	...	...	...	...	...	...
Small-pox	...	...	...	...	...	...	...	...	...
Measles	...	1	4	...	5	2	1	1	1
Scarlet Fever	...	1	...	...	...	...	1	1	1
Whooping-cough	...	3	...	...	5	...	...	...	...
Diphtheria	...	1	...	...	2	...	...	1	...
Influenza	...	2	1	1	2	1	...	...	1
Encephalitis Lethargica	...	...	...	...	...	...	1	...	...
Cerebro-spinal Meningitis	...	...	...	...	...	...	...	...	1
Other Epidemic Diseases	...	...	...	...	...	...	1	1	...
Tuberculosis of Respiratory System	...	1	1	3	3	3	2	2	1
Tuberculous Meningitis	...	...	...	...	1	...	...	...	...
Tuber. of Intestines and Peritoneum	...	1	...	...	1	...	1	...	1
Other Tuberculous Disease	...	...	...	...	...	...	...	...	...
Malignant Tumours	...	5	5	...	3	10	6	2	7
Rheumatic Fever	...	...	...	...	1	...	...	...	...
Meningitis(not Cerebro-spinal or Tuber.)	...	1	...	...	...	...	...	...	...
Apoplexy	...	5	3	2	4	4	7	4	5
Heart Disease	...	9	6	7	12	3	6	5	9
Diseases of Arteries	...	...	1	2	...	1	...	1	...
Bronchitis	...	3	4	2	2	3	2	1	...
Pneumonia (all forms)	...	6	1	8	7	7	2	6	3
Other Diseases of Respiratory System	...	1	...	...	1	...	...	2	1
Diarrhoea and Entiritis (under 2 years)	...	1	...	...	...	1	1	...	...
Appendicitis	...	...	...	...	...	1	...	...	...
All Diseases of Liver (not Malignant)	...	1	1	...	1	...	...	...	...
Nephritis, Acute and Chronic	...	3	1	1	...	2	...	1	...
Puerperal Sepsis	...	...	...	...	...	...	...	...	...
Other Diseases and Accidents of Pregnancy and Parturition	...	...	1	...	...	...	...	...	...
Dis. of Early Infancy and Malformations	...	3	5	6	1	3	5	4	4
Suicide	...	...	...	2	...	...	...	1	2
Other Violent Deaths	...	3	2	2	3	2	1	...	...
Other Defined Diseases	...	12	10	5	11	3	5	7	8
Causes Ill-defined or Unknown	...	1	...	...	1	...	2	1	1
All Causes	...	64	46	41	66	46	45	39	44

AGE AT DEATH.

	Under 1	1-4	5-9	10-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85 and over

	11	6	9	9	2	1	1	2	5	8	9	1
	8	3	...	10	1	2	3	4	7	10	13	...
	2	1	...	3	...	1	1	2	2	8	3	...
	...	...	...	...	...	...	...	...	...	...	...	1
	1	2	2	4	2	1	2	1	2	4	3	1
	1	1	1	1	1	1	2	3	2	1	2	...
	3	2	3	4	3	2	4	3	2	2	2	3
	6	5	2	7	7	2	7	2	2	6	4	2
	8	5	8	8	8	8	8	8	8	10	6	7
	14	11	8	10	18	13	13	13	13	6	6	10
	9	10	3	9	3	5	5	5	5	3	3	9
	1	...	5	...	1	...	1	...	1	...	1	3
All Ages	...	64	46	41	66	46	45	45	46	45	39	44

ABSTRACT OF METEOROLOGICAL OBSERVATIONS

Made at GLASGOW, EDINBURGH, DUNDEE, ABERDEEN, PAISLEY, GREENOCK, and PERTH,

During the Month of APRIL 1928.

OBSERVERS.	AIR PRESSURE at 9 A.M. and 9 P.M.		AIR TEMPERATURE.		HYGROMETER.		RAIN, AND OTHER FORMS OF PRE- CIPITATION.		WIND DIRECTIONS															
			Mean at 9 A.M. and 9 P.M.		Mean at 9 A.M. and 9 P.M.				Number of Observations at 9 A.M. and 9 P.M.															
	Mean of A and B (Mean Tem- perature).	Mean of Minimum (B.)	Maximum.	Day of Month.	Humidity.	Total Fall.	N	NE	E	SE	S	SW	W	NW	Calm or Variable.									
GLASGOW, Professor J. R. CURRIE, M.D., The University.	29.666	29.761	51.8	40.4	46.1	+1.1	62	26th	33	16, 19	45.9	3.3	.233	75	15	1.14 -0.94	4	8	20	4	12	6	2	0
EDINBURGH, Professor R. A. SAMPSON, F.R.S., Royal Observatory.	29.318	29.801	49.8	38.9	44.3	+0.5	62	10th	31	15th	43.6	2.8	.226	77	15	0.56 -0.82	7	5	12	5	10	9	4	2
DUNDEE, A. MACRAE, Curator of Cemeteries.	29.596	29.778	50.4	38.1	44.3	+0.2	59	25th	30	16th	43.7	2.1	.240	83	17	1.01 -0.69	0	8	0	28	0	18	0	6
ABERDEEN,* The Meteorological Office.	29.672	29.773	49.0	39.2	44.1	+0.4	57	11th	29	16th	43.4	2.6	.223	79	15	2.57 +0.70	10	2	3	8	17	3	4	9
PAISLEY, The Coats Observatory.	29.652	29.772	53.4	40.0	46.7	+0.5	63	26, 28, 30	32	16, 18, 19	46.1	3.2	.233	75	16	1.36 -0.96	6	11	5	9	7	9	5	4
GREENOCK,† J. MACALISTER, M.Inst. C.E., Greenock Waterworks.	29.518	29.778	51.5	39.8	45.7	+1.1	64	26th	32	16, 19	44.7	2.7	.233	79	17	3.46 -0.18	4	10	18	1	9	10	1	7
PERTH,† J. RITCHIE, The Museum.	29.761	29.776	52.8	38.8	45.8	+1.3	64	28, 30	28	16th	46.3	3.1	.236	76	14	0.65 -1.13	1	7	7	11	1	18	5	10
Means	171	29.588	29.777	51.2	39.3	45.2	+0.8	44.8	2.8	.232	78	16	1.54 -0.57	5	7	9	9	7	11	4	6

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For Official Use.

MONTHLY RETURN
OF THE
Births, Deaths, and Marriages
IN
Sixteen of the Principal Towns of Scotland

MAY 1928.

Published by Authority of the Registrar-General.

REPORT

During the month of May 1928 there were registered in the Sixteen Principal Towns of Scotland, those burghs which at the date of the 1921 Census had populations of over 30,000, the births of 4578 living children, of whom 2329 were males, and 2249 were females. Compared with the number registered in April, that of male children is 9 more, of female children 69 more, and of children of both sexes 78 more.

The monthly birth-rate in these towns taken collectively was 22·4 per thousand, which rate is 0·3 less than that of April and 0·4 less than the May average.

In the individual towns the monthly birth-rate averaged 22·5, and varied from 27·2 in Clydebank, 26·3 in Motherwell and Wishaw, 24·3 in Falkirk, and 24·2 in Paisley and in Coatbridge, to 18·6 in Perth, 18·8 in Edinburgh, and 18·9 in Dunfermline. In Glasgow the monthly birth-rate was 23·4, in Hamilton 23·0, in Greenock 22·7, in Dundee 22·7, in Ayr 22·0, in Aberdeen 21·5, in Kirkcaldy 21·0, and in Kilmarnock 20·9.

Of the 4578 living children whose births were registered during the month, 4270, or 93·3 per cent., were legitimate, while 308, or 6·7 per cent., were illegitimate. The legitimate children of the month numbered 28 more than those of the previous month, and the illegitimate children numbered 50 more. The illegitimate rate of the month, 6·7 per cent., is 1·0 above that of the previous month. In the individual towns the illegitimate rate varied from 12·2 per cent. in Falkirk, 9·4 in Perth, 8·4 in Greenock, 8·2 in Kirkcaldy, and 8·0 in Aberdeen, to 2·9 in Ayr, 3·0 in Kilmarnock, and 5·4 in Clydebank. In Glasgow this rate was 6·3, in Edinburgh 6·8, and in Dundee 6·8.

Marriages registered in these towns during the month numbered 669, and equalled a marriage-rate of 3·3 per thousand. This number is 12·8 less than that of the previous month. This rate is 6·3 less than that of April, and 0·8 less than the May average. In the individual towns the monthly marriage-rate varied from 4·9 per thousand in Aberdeen, 3·7 in Glasgow, 3·4 in Dunfermline, and 3·3 in Edinburgh, to 1·3 in Kilmarnock, 1·5 in Motherwell and Wishaw, 1·6 in Falkirk, and 1·7 in Kirkcaldy.

NOTE.—The averages used for comparison are the means of the same rates in the corresponding months of the three preceding years.

Deaths registered in these towns during the month numbered 3047, which is 291 fewer than in April. Deducting deaths of persons with usual residence in Scotland but outwith the town of registration, and adding those of persons dying elsewhere in Scotland but with usual residence in one or other of these towns, the corrected number is found to be 2882, and to include the deaths of 1484 males and of 1398 females. The corrected number is 308 less than that of the previous month.

The monthly death-rate in these towns taken collectively and based on the corrected number of deaths was 14·1 per thousand. This rate is 2·0 less than in April, but is 0·7 more than the May average. In the individual towns the monthly death-rate averaged 13·3 per thousand, and varied from 17·9 in Perth, 16·6 in Kirkcaldy, and 16·0 in Aberdeen, to 9·2 in Falkirk, 10·7 in Ayr, and 10·9 in Hamilton. In Dundee the monthly death-rate was 14·9, in Edinburgh 14·8, in Coatbridge 14·4, in Glasgow 14·1, in Greenock 14·0, in Motherwell and Wishaw 12·6, in Kilmarnock 12·3, in Dunfermline 11·8, in Paisley 11·5, and in Clydebank 11·4.

Deaths of children of less than one year old numbered 406, and equalled an infantile mortality rate of 95 per thousand of the average number of births registered monthly in these towns during the preceding twelve months. These deaths number 72 fewer than in the previous month. This mortality rate is 21 less than that of April, but is 11 more than the May average. In the individual towns the infantile mortality rate of the month averaged 99, and varied from 180 per thousand in Perth, 145 in Aberdeen, and 143 in Greenock, to 18 in Dunfermline, 62 in Kilmarnock, and 63 in Falkirk. In Dundee this rate was 107, in Hamilton 105, in Motherwell and Wishaw 101, in Coatbridge 98, in Kirkcaldy 97, in Ayr 95, in Edinburgh 94, in Paisley 93, in Clydebank 90, and in Glasgow 85.

Deaths from the principal epidemic diseases numbered 242, and equalled a death-rate of 1·2 per thousand. These deaths collectively number 54 fewer than in April, but 60 more than the May average. These deaths include 1 from enteric fever, 83 from measles, 5 from scarlet fever, 109 from whooping-cough, 15 from diphtheria, and 29 from the diarrhoeas of childhood. Compared with the returns of the previous month, deaths from measles are 24 fewer, from diphtheria 23 fewer, from the diarrhoeas of childhood 7 fewer, and from scarlet fever 5 fewer, but those from whooping-cough are 5 more, while those from enteric fever are of the same number.

Deaths from influenza in all numbered 27, which is 11 fewer than in the previous month. In February these deaths numbered 42, in March 54, and in April 38.

Deaths from respiratory diseases other than phthisis, but exclusive of those associated with influenza, numbered 475, and equalled a death-rate of 2·3 per thousand. These deaths are 77 fewer than in April, and this death-rate is 0·5 less than in April, but 0·1 more than the May average.

Deaths from all forms of tuberculous disease numbered 239, of which 168 were attributed to tuberculosis of the respiratory system. The former number is 15 less than in April, and 22 less than the May average. The latter number is 15 less than in April, and 18 less than the May average.

METEOROLOGICAL NOTES supplied by the Meteorological Office, Edinburgh.

MAY 1928.

Mean barometric pressure, 29.995 in.; greater than the average of 1881-1915 by 0.047 in.

Mean temperature, 49°.6; equal to the average.

Mean daily range of temperature, 14°.0; less by 1°.0.

Rain, depth in inches, 1.73; less by 0.71 in.

Wind, direction of: a 7 days' excess of winds from N., N.E., and S.E.

Pressure was high at first over Scandinavia or Iceland, and from about 6th to 22nd an anticyclone over the Atlantic was dominant. About 24th a change of type occurred, and thereafter pressure was for a few days low to the immediate westwards of the British Isles. The persistence of a stable type of pressure distribution and the preponderance of winds with a northerly or easterly component were remarkable, and almost the only moderately disturbed periods occurred around 15th-17th, when a depression of no great depth moved from Scotland southwards, and on 26th and 27th. The range of pressure was moderate, and at Edinburgh, at mean sea-level, the extremes were 30.32 in. on 30th and 29.50 in. on 17th.

Temperature was at first moderate to fairly high; but during the second week decidedly low (26° at Ford, on Loch Awe, on 9th), with ground frost, and thereafter, in the east at any rate, only moderate except for a day or two near the end of the month. Very warm weather was experienced in south and west from 29th to 31st (76° at Ardtornish, on the Sound of Mull, on 31st, and 74° at Oban and Ruthwell on 30th); but in the east the 31st was extremely cold. Mean temperatures for the month were below the average in the east; but above it in the west.

Rainfall was fully equal to the average of some places around the upper Moray Firth; but in general was decidedly deficient. Considerable areas had only two-thirds or less of the average; some places towards the north-west had less than 1 in. for the whole month; and at Fort William the aggregate of 0.85 in. was only 21 per cent. of the average and the lowest recorded in May for at least 40 years. There were nowhere more than trifling falls until 12th; but then some moderate amounts in various districts until 20th or 21st,—fairly generally on 18th and 19th. Thereafter dry conditions were interrupted only on 26th and 27th, when rain was in some districts almost continuous and accounted for a large part of the month's moderate aggregate. On 26th Skipness Castle, Argyll, had 1.32 in., and Corrie, Arran, 1.08 in.

Wind force was moderate throughout. Snow occurred on high ground in the north during the second week.

Thunder occurred at Fort Augustus on 1st; in Arran on 3rd; in Orkney on 15th; in the Clyde area on 19th; and at Montrose on 26th.

In the east, with a good deal of fog at times, sunshine aggregates were much below the average. In the west there were some very sunny periods, and an aggregate of 218 hours at Oban contrasted with 124 hours at Aberdeen.

Aurora was observed at Aberdeen on 10th and at Gordon Castle on 19th.

NOTE.—The mean values refer to those of the Principal Towns named in meteorological Table on p. 40.

Abstract.

TABLE I.—ABSTRACT OF BIRTHS, DEATHS, AND MARRIAGES
in the Principal Towns, MAY 1928.

TOWNS.	POPULATION.		BIRTHS.						DEATHS.					
	Census 1921.	Estimated to middle of 1928.	Males.	Females.	Total.	Legiti-mate.	Illegiti-mate.	MARRIAGES.	REGISTERED	TRANSFERS	Total	Out.	In.	Total Corrected.
GLASGOW,	1,051,518	1,060,500	1103	1001	2104	1972	132	335	740	612	1352	127	44	1269
EDINBURGH,	420,264	426,300	339	341	680	634	46	118	291	303	594	72	12	534
DUNDEE,	168,815	174,800	167	169	336	313	23	41	102	129	231	13	3	221
ABERDEEN	158,963	158,500	139	149	288	265	23	66	107	121	228	47	34	215
PAISLEY,	84,837	87,900	23	97	180	166	14	16	55	41	96	13	3	86
GREENOCK,	81,123	80,200	77	77	154	141	13	18	56	43	99	6	2	95
MOTHERWELL AND WISHAW,	68,869	70,100	89	67	156	145	11	9	36	30	66	2	11	75
CLYDEBANK,	46,601	48,600	53	59	112	106	6	8	16	11	27	1	21	47
COATBRIDGE,	43,919	44,300	38	53	91	85	6	10	24	25	49	1	6	54
DUNFERMLINE,	39,899	38,200	27	34	61	57	4	11	23	18	41	6	3	38
KIRKCALDY,	39,591	41,100	38	35	73	67	6	6	27	23	50	3	11	58
HAMILTON,	39,504	41,100	33	47	80	74	6	7	14	23	37	2	3	38
KILMARNOCK,	35,911	37,400	41	25	66	64	2	4	19	23	42	5	2	39
AYR,	35,763	37,500	43	27	70	68	2	7	24	19	43	12	3	34
FALKIRK,	33,308	36,000	36	38	74	65	9	5	13	14	27	2	3	28
PERTH,	33,208	33,700	23	30	53	48	5	8	27	38	65	17	3	51
TOTAL (SIXTEEN TOWNS)	2,381,593	2,416,200	2329	2249	4578	4270	308	669	1674	1473	3047	329	164	2882

TABLE II.—BIRTH-RATES, DEATH-RATES, AND MARRIAGE-RATES
in the Principal Towns, MAY 1928.

TOWNS.	Birth-Rate per 1000 of Population.	Illegitimate Birth-Rate per 100 Births.	Marriage-Rate per 1000 of Population.	DEATH-RATES PER 1000 of POPULATION FROM						DEATHS UNDER ONE YEAR OF AGE.	
				All Causes.		Principal Epidemic Diseases.	All Tuberculosis.	Tuberc. of Respiratory System.	All Respiratory Diseases.	Number.	* Rate per 1000 Births.
				Regis-tered.	Corr. for Trans-fers.						
GLASGOW,	28·4	6·3	3·7	15·1	14·1	1·2	1·2	0·8	2·7	170	85
EDINBURGH,	18·8	6·8	3·3	16·5	14·8	0·8	1·2	1·0	2·2	60	94
DUNDEE,	22·7	6·8	2·8	15·6	14·9	1·0	1·0	0·9	2·2	32	107
ABERDEEN,	21·5	8·0	4·9	17·0	16·0	1·9	1·1	0·8	1·7	40	145
PAISLEY,	24·2	7·8	2·1	12·9	11·5	1·2	1·2	0·7	2·4	14	93
GREENOCK,	22·7	8·4	2·6	14·6	14·0	1·2	1·0	0·4	1·2	22	143
MOTHERWELL AND WISHAW,	26·3	7·1	1·5	11·1	12·6	2·9	0·7	0·5	1·7	13	101
CLYDEBANK,	27·2	5·4	1·9	6·6	11·4	0·0	1·2	1·0	1·2	8	90
COATBRIDGE,	24·2	6·6	2·7	13·1	14·4	1·1	0·8	0·3	4·0	9	98
DUNFERMLINE,	18·9	6·6	3·4	12·7	11·8	0·6	1·2	0·9	2·2	1	18
KIRKCALDY,	21·0	8·2	1·7	14·4	16·6	0·3	2·0	1·4	1·7	6	97
HAMILTON,	23·0	7·5	2·0	10·6	10·9	2·0	0·9	0·6	2·6	8	105
KILMARNOCK,	20·9	3·0	1·3	18·3	12·3	2·2	1·6	0·9	1·3	4	62
AYR,	22·0	2·9	2·2	13·5	10·7	2·5	0·9	0·3	1·3	6	95
FALKIRK,	24·3	12·2	1·6	8·9	9·2	0·0	0·3	0·0	1·3	4	63
PERTH,	18·6	9·4	2·8	22·8	17·9	0·7	1·1	1·1	2·1	9	180
TOTAL (SIXTEEN TOWNS)	22·4	6·7	3·3	14·9	14·1	1·2	1·2	0·8	2·3	406	95

* Based on the average number of births registered monthly during the past 12 months

TABLE III.—BIRTH-RATE, DEATH-RATE, &c. FOR MAY 1928, AND FOR THE CORRESPONDING MONTH OF THE PRECEDING TEN YEARS, IN THE PRINCIPAL TOWNS.

Month.	Birth-Rate.	Illegitimate Birth-rate per 100 Births.	Marriage-Rate.	Death-Rate.	DEATHS FROM								Infantile Mortality Rate.	Mean Temperature Seven Towns only.
					(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)		
(1)	(2)	(3)	(4)	(5)										
MAY 1928 .	22·4	6·7	3·3	14·1	1	0	83	5	109	15	29	95	49·6	
MAY 1927 .	22·1	6·7	4·5	13·3	1	0	18	6	71	12	35	85	48·4	
MAY 1926 .	22·4	5·9	4·2	14·1	0	0	66	17	26	21	27	81	48·3	
MAY 1925 .	23·9	6·6	3·4	12·7	1	0	29	11	156	23	26	90	50·2	
MAY 1924 .	24·4	6·4	3·3	14·1	0	0	119	24	98	29	34	94	48·2	
MAY 1923 .	25·6	6·9	4·0	14·2	2	0	56	12	85	15	33	93	46·7	
MAY 1922 .	27·1	6·8	5·1	16·0	3	0	388	12	82	16	52	111	51·3	
MAY 1921 .	30·0	6·8	6·1	13·8	0	0	21	11	134	33	39	91	51·0	
MAY 1920 .	31·7	7·9	7·5	17·0	2	22	102	10	31	27	53	121	50·6	
MAY 1919 .	20·9	8·5	7·3	13·4	2	0	106	7	120	21	28	106	52·6	
MAY 1918 ,	22·6	8·7	5·1	15·8	7	0	140	8	125	28	30	116	52·6	

Figures in columns 5-13 have been corrected for non-resident deaths.

* Per 1000 of the average number of births registered monthly during the past 12 months.

AGGREGATE OF THE SIXTEEN PRINCIPAL TOWNS—May 1928

CAUSES OF DEATH.	Total.	Males.	Females.	Age.											
				-1	1-	5-	10-	15-	25-	35-	45-	55-	65-	75-	85 & over
Cerebral Fever	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Phthisis Fever	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
All-pox	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Measles	—	—	—	—	83	45	38	30	52	—	—	—	—	—	—
Measles	—	—	—	—	5	4	1	—	4	—	1	—	—	—	—
Measles	—	—	—	—	109	53	56	47	59	3	—	—	—	—	—
Measles	—	—	—	—	15	9	6	2	11	2	—	—	—	—	—
Influenza	—	—	—	—	27	17	10	1	1	1	—	3	3	2	3
Influenza	—	—	—	—	9	7	2	—	—	—	3	4	5	4	4
Cephalitis Lethargica	—	—	—	—	6	4	2	4	1	—	1	1	1	1	1
Neuro-spinal Meningitis	—	—	—	—	10	3	7	1	1	1	—	—	—	—	—
Other Epidemic Diseases	—	—	—	—	168	94	74	1	3	2	5	45	38	25	17
Tuberculosis of Respiratory System	—	—	—	—	36	16	20	6	13	6	4	6	1	—	6
Tuberculosis of Meningitis	—	—	—	—	15	7	8	—	6	2	2	1	1	—	2
Tuberculosis of Intestines and Peritoneum	—	—	—	—	20	13	7	—	2	4	2	1	4	2	2
Malignant Tumours	—	—	—	—	278	141	137	—	—	—	1	4	17	38	93
Rheumatic Fever	—	—	—	—	8	3	5	—	1	—	2	3	2	—	—
Meningitis (not Cerebral or Tuberc.)	—	—	—	—	26	14	12	10	8	3	1	2	1	1	—
Poliolexy	—	—	—	—	226	88	138	—	—	—	2	1	6	15	53
Heart Disease	—	—	—	—	373	181	192	—	3	—	2	13	7	20	34
Diseases of Arteries	—	—	—	—	49	32	17	—	—	—	—	—	7	9	12
Pneumonitis	—	—	—	—	130	63	67	7	7	1	—	1	2	5	36
Pneumonia (all forms)	—	—	—	—	301	177	124	62	62	5	3	7	13	30	44
Other Diseases of Respiratory System	—	—	—	—	44	31	13	4	1	—	1	1	3	6	7
Diarrhoea and Enteritis (under 2 years)	—	—	—	—	29	22	7	27	2	—	—	—	—	—	—
Pendicitis	—	—	—	—	16	10	6	—	1	4	1	3	1	2	—
Diseases of Liver (not Malignant)	—	—	—	—	21	11	10	—	—	—	—	1	1	5	6
Pharyngitis, Acute and Chronic	—	—	—	—	84	44	40	—	—	1	1	2	2	9	15
Periperal Sepsis	—	—	—	—	14	—	14	—	—	—	2	9	3	—	—
Other Dis. & Accidents of Preg. & Part.	—	—	—	—	15	—	15	—	—	—	1	9	5	—	—
Diseases of Early Infancy and Malform.	—	—	—	—	153	85	65	151	2	—	—	—	—	—	—
Suicide	—	—	—	—	28	17	11	—	—	—	1	10	4	4	3
Other Violent Deaths	—	—	—	—	99	64	35	6	7	8	2	11	10	5	11
Other Defined Diseases	—	—	—	—	441	201	240	44	20	15	3	20	19	28	50
Other Ill-defined or Unknown	—	—	—	—	43	27	16	3	2	1	—	1	2	3	8
	2882	1484	1398	406	268	60	31	131	149	171	268	440	507	367	84

DEATHS IN EACH TOWN (corrected for Transfers)—May 1928.

		Total.	Glasgow.	Edinburgh.	Dundee.	Aberdeen.	Paisley.	Greenock.	Motherwell and Wishaw.	Clydebank.
CAUSES OF DEATH.										
Enteric Fever	...	1	1	...	...	...	...	...	...	...
Typhus Fever	...	...	...	...	...	...	...	...	...	...
Small-pox	...	83	17	15	4	14	1	2	15	...
Measles	...	5	3	1	...	1	5	4	...	...
Scarlet Fever	...	109	66	8	7	8	...	2	1	...
Whooping-cough	...	15	8	3	...	1	...	2	...	1
Diphtheria	...	27	14	4	...	2	1	...	1	1
Influenza	...	9	6	...	1	...	...	...	...	2
Encephalitis Lethargica	...	6	4	1	...	1	...	...	...	...
Cerebro-spinal Meningitis	...	10	5	...	1	1	...	1	...	1
Other Epidemic Diseases	...	168	74	36	14	11	5	3	3	4
Tuberculosis of Respiratory System	...	36	23	5	...	3	1	1	1	1
Tuberculous Meningitis	...	15	4	2	1	...	2	2	...	...
Tuber. of Intestines and Peritoneum	...	20	9	2	...	1	1	1	...	...
Other Tuberculous Disease	...	278	113	52	32	22	10	6	6	4
Malignant Tumours	...	8	6	1	...	...	1	...	...	...
Rheumatic Fever	...	26	6	3	4	1	1	2	2	1
Meningitis (not Cerebro-spinal or Tuber.)	...	226	87	55	14	21	8	7	5	4
Apoplexy	...	373	145	81	28	33	13	14	11	5
Heart Disease	...	49	15	11	7	4	1	3	...	1
Diseases of Arteries	...	130	65	33	5	5	3	...	3	1
Bronchitis	...	301	158	44	24	15	14	7	5	4
Pneumonia (all forms)	...	44	20	4	3	3	1	1	2	...
Other Diseases of Respiratory System	...	29	13	2	4	1	3	...	1	1
Diarrhoea and Enteritis (under 2 years)	...	16	4	3	1	1	...	1	1	1
Appendicitis	...	21	11	3	1	1	...	...	2	...
All Diseases of Liver (not Malignant)	...	84	36	17	7	5	4	1	...	2
Nephritis, Acute and Chronic	...	14	9	1	1	...	...	...	1	2
Puerperal Sepsis	...	15	9	2	3	...	...	...	...	...
Other Diseases and Accidents of Pregnancy and Parturition	...	153	56	26	13	14	5	15	3	4
Dis. of Early Infancy and Malformations	...	28	13	7	4	...	...	1	...	...
Suicide	...	99	54	24	9	3	1	2	...	2
Other Violent Deaths	...	441	191	84	31	42	5	18	9	7
Other Defined Diseases	...	43	24	4	2	1	...	1	3	...
Causes Ill-defined or Unknown	...	2882	1269	534	221	215	86	95	75	47
All Causes	...									
AGE AT DEATH.										
Under 1	...	406	170	60	32	40	14	22	13	8
1-4	...	268	126	34	15	22	6	12	16	1
5-9	...	60	26	10	6	3	2	6	...	1
10-14	...	31	19	1	1	...	...	2	3	2
15-24	...	131	69	23	7	7	2	3	5	3
25-34	...	149	73	24	8	13	4	2	3	4
35-44	...	171	91	30	19	8	3	6	2	3
45-54	...	268	134	54	23	13	10	6	5	1
55-64	...	440	191	79	35	27	14	10	20	100
65-74	...	507	220	112	34	35	17	16	6	9
75-84	...	367	129	86	31	34	12	9	1	3
85 and over	...	84	21	21	10	13	2	1	1	29
All Ages	...	2882	1269	534	221	215	86	95	75	47

DEATHS IN EACH TOWN (corrected for Transfers)—May 1928—*continued.*

CAUSES OF DEATH.

		Coatbridge.	Dunfermline.	Kirkcaldy.	Hamilton.	Kilmarnock.	Ayr.	Falkirk.	Perth.
Enteric Fever	...	...	...	...	...	...	...	...	...
Typhus Fever	...	...	...	...	...	...	...	...	...
Small-pox	...	...	...	...	...	...	...	...	...
Measles	...	...	...	...	3	5	7	...	...
Scarlet Fever	...	...	...	...	...	...	...	...	...
Whooping-cough	...	3	1	1	3	2	...	...	...
Diphtheria	...	...	...	...	1	...	...	...	...
Influenza...	...	1	...	...	2	1	...	...	...
Encephalitis Lethargica	...	...	...	...	...	...	...	...	...
Cerebro-spinal Meningitis	...	1	...	...	...	...	...	...	...
Other Epidemic Diseases	...	...	...	...	...	...	...	...	...
Tuberculosis of Respiratory System	...	1	3	5	2	3	1	...	3
Tuberculous Meningitis	...	...	...	1	...	...	...	...	...
Tuber. of Intestines and Peritoneum	...	...	1	1	...	1	...	1	...
Other Tuberculous Disease	...	2	...	...	1	1	2	...	...
Malignant Tumours	...	5	5	5	2	2	5	4	5
Rheumatic Fever	...	...	...	...	...	...	...	...	...
Meningitis(not Cerebro-spinal or Tuber.)	3	...	...	...	2	...	1	...	...
Apoplexy...	...	3	4	4	1	7	1	2	3
Heart Disease	...	6	4	8	4	4	3	3	11
Diseases of Arteries	...	...	...	...	...	1	1	1	4
Bronchitis	...	2	2	1	3	1	1	2	3
Pneumonia (all forms)	...	12	2	4	6	3	3	...	...
Other Diseases of Respiratory System	1	3	1	...	...	...	...	2	3
Diarrhoea and Entiritis (under 2 years)	1	1	...	...	...	...	1	...	2
Appendicitis	...	2	1	1	...	...	...	...	...
All Diseases of Liver (not Malignant)	...	...	1	1	...	...	...	...	1
Nephritis, Acute and Chronic	...	2	...	5	1	2	...	1	1
Puerperal Sepsis	...	...	...	...	...	...	...	...	...
Other Diseases and Accidents of Pregnancy and Parturition	...	...	...	1	...	...	...	...	...
Dis. of Early Infancy and Malformations	...	1	...	3	2	1	2	3	5
Suicide	...	...	...	2	...	...	...	...	1
Other Violent Deaths	...	...	...	2	1	...	1	...	...
Other Defined Diseases	...	6	10	10	3	5	5	7	8
Causes Ill-defined or Unknown	...	2	...	2	1	...	...	2	1
All Causes	...	54	38	58	38	39	34	28	51

AGE AT DEATH.

Under 1	...	...	9	1	6	8	4	6	4	9
1- 4	...	...	6	2	3	6	7	9	2	1
5- 9	...	...	2	...	1	2	...	1	...	...
10-14	...	...	2	...	...	...	1	...	...	...
15-24	...	...	1	1	3	1	3	...	1	2
25-34	...	...	3	1	6	2	1	2	2	1
35-44	...	...	...	...	2	1	1	...	2	3
45-54	...	...	5	9	2	...	1	2	1	2
55-64	...	...	10	7	10	8	2	5	6	6
65-74	...	...	7	5	12	4	9	4	4	13
75-84	...	...	7	10	9	5	9	5	4	13
85 and over	...	...	2	2	4	1	1	...	2	1
All Ages	...	54	38	58	38	39	34	28	51	

ABSTRACT OF METEOROLOGICAL OBSERVATIONS

Made at GLASGOW, EDINBURGH, DUNDEE, ABERDEEN, PAISLEY, GREENOCK, and PERTH,

During the Month of MAY 1928.

OBSERVERS.	Height of Barometer above Sea-level.	AIR PRESSURE at 9 A.M. and 9 P.M.		AIR TEMPERATURE.		HYGROMETER.		RAIN, AND OTHER FORMS OF PRECIPITATION.		WIND DIRECTIONS																	
		Mean at Sea-Level and 32°.	Mean at Station-level and 32°.	Absolute Maximum and Minimum.		Mean at 9 A.M. and 9 P.M.		Humidity.	Depression of Wet Bulb.	Dry Bulb.	Day of Month.	Minimum.	Maximum.	Difference from Average.	Number of Days.	Total Fall.	Difference from Average.	Number of Observations at 9 A.M. and 9 P.M.	Calm or Variable.								
				Mean of	Minimum (B.)	Mean of A and B (Mean Temperature).	Mean of A.																				
GLASGOW, Professor J. R. CURRIE, M.D., The University.	139	29.831	29.984	57.9	43.9	50.9	+0.6	67	6th	36	9th	50.8	4.4	.263	69	8	2.10	-0.49	4	10	32	2	4	0	4	6	0
EDINBURGH, Professor R. A. SAMPSON, F.R.S., Royal Observatory.	441	29.526	30.011	53.1	42.0	47.6	-1.0	65	6, 28	35	9, 10	46.6	2.1	.273	84	13	1.43	-0.44	7	19	18	5	0	0	1	3	9
DUNDEE, A. MACRAE, Curator of Cemeteries.	164	29.815	29.996	55.1	41.2	48.1	-1.3	64	25th	34	11th	47.7	2.7	.270	79	9	1.36	-0.73	0	27	0	24	0	2	0	9	0
ABERDEEN,* The Meteorological Office.	90	29.897	29.998	51.9	42.2	47.1	-1.1	58	13, 28	35	11th	46.9	2.5	.260	81	16	1.60	-0.73	17	12	5	5	1	0	3	11	8
PAISLEY, The Coats Observatory.	107	29.875	29.994	60.6	43.5	52.1	+0.5	72	6th	34	9th	51.8	4.3	.278	71	9	2.01	-0.48	16	19	1	2	1	4	9	3	7
GREENOCK,† J. MACALISTER, M.Inst. C.E., Greenock Waterworks.	238	29.725	29.988	58.9	43.9	51.4	+1.6	67	6, 29	35	9th	50.1	4.0	.260	72	9	1.97	-1.48	7	12	15	4	1	3	10	8	2
PERTH,† J. RITCHIE, The Museum.	22	29.972	29.997	58.9	41.6	50.3	+0.5	68	25th	30	9, 11	51.0	4.0	.273	73	12	1.63	-0.59	4	7	6	30	0	6	1	8	0
Means . . .	171	29.806	29.995	56.6	42.6	49.6	0.0	49.3	3.4	.268	76	11	1.73	-0.71	8	15	11	10	1	2	4	7	4

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North Latitude.—Glasgow, 55° 52'; Edinburgh, 55° 55'; Dundee, 56° 28'; Aberdeen, 57° 9'; Paisley, 55° 51'; Greenock, 55° 57'; Perth, 56° 23'; Mean, 56° 14'.
West Longitude.—Glasgow, 4° 17'; Edinburgh, 3° 11'; Dundee, 2° 57'; Aberdeen, 2° 7'; Paisley, 3° 25'; Greenock, 4° 46'; Perth, 3° 36'; Mean, 3° 36'.

For Official Use.

MONTHLY RETURN
OF THE
Births, Deaths, and Marriages
IN
Sixteen of the Principal Towns of Scotland

JUNE 1928.

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REPORT

During the month of June 1928 there were registered in the Sixteen Principal Towns of Scotland, those burghs which at the date of the 1921 Census had populations of over 30,000, the births of 4373 living children, of whom 2276 were males, and 2097 were females. Compared with the number registered in May, that of male children is 53 less, of female children 152 less, and that of children of both sexes 205 less.

The monthly birth-rate in these towns taken collectively was 22·1 per thousand, which rate is 0·3 less than that of the previous month and 1·3 less than the June average.

In the individual towns the monthly birth-rate averaged 21·9, and varied from 28·9 in Coatbridge, 28·5 in Hamilton, 26·5 in Greenock, and 25·3 in Clydebank, to 16·0 in Dunfermline, 18·1 in Kirkcaldy, 18·2 in Ayr and 18·7 in Edinburgh. In Glasgow this rate was 23·6, in Kilmarnock 22·2, in Motherwell and Wishaw 22·1, in Aberdeen 21·2, in Paisley 21·0, in Perth 20·6, in Dundee 20·1 and in Falkirk 19·3.

Of the 4373 living children whose births were registered during the month, 4070, or 93·1 per cent., were legitimate, while 303, or 6·9 per cent., were illegitimate. The legitimate children of the month numbered 200 fewer than those of the previous month, and the illegitimate children 5 fewer. The illegitimate rate of the month, 6·9 per cent., is 0·2 above that of the previous month. In the individual towns the illegitimate rate of the month varied from 14·0 per cent. in Perth, 9·8 in Kirkcaldy, and 8·8 in Falkirk, to 2·9 in Kilmarnock, 4·0 in Clydebank, and 4·7 in Motherwell and Wishaw. In Glasgow this rate was 7·2 per cent., in Edinburgh 6·9, in Dundee 6·3, and in Aberdeen 8·0.

Marriages registered in these towns during the month numbered 2038, and equalled a marriage-rate of 10·3 per thousand. This number is 1369 more than that of the previous month. This rate is 7·0 more than that of the previous month, but is 0·4 less than the June average. In the individual towns the monthly marriage-rate averaged 9·3 and varied from 13·7 in Perth, 12·8 in Aberdeen, 11·9 in Kirkcaldy, and 11·4 in Kilmarnock, to 4·5 in Hamilton, 5·3 in Clydebank, and

NOTE.—The averages used for comparison are the means of the same rates in the corresponding months of the three preceding years.

7·4 in Coatbridge. In Glasgow this rate was 10·9, in Edinburgh 11·0, and in Dundee 7·7.

Deaths registered in these towns during the month numbered 2698, which is 349 fewer than in May. Deducting deaths of persons with usual residence in Scotland but outwith the town of registration, and adding those of persons dying elsewhere in Scotland but with usual residence in one or other of these towns, the corrected number is found to be 2553, and to include the deaths of 1331 males and of 1222 females. The corrected number is 329 less than that of the previous month.

The monthly death-rate in these towns taken collectively and based on the corrected number of deaths was 12·9 per thousand. This rate is 1·2 less than that of May, but is 0·6 more than the June average. In the individual towns the monthly death-rate averaged 12·6, and varied from 18·1 in Perth, 14·4 in Kilmarnock, and 14·3 in Hamilton and in Ayr, to 8·6 in Dunfermline, 9·2 in Motherwell and Wishaw, and 9·3 in Clydebank. In Aberdeen this rate was 13·8, in Paisley 13·5, in Glasgow 13·3, in Dundee 13·3, in Falkirk 12·6, in Edinburgh 12·5, in Greenock 12·3, in Coatbridge 11·3 and in Kirkcaldy 10·7.

Deaths of children of less than one year old numbered 348, and equalled an infantile mortality rate of 84 per thousand of the average number of births registered monthly during the preceding twelve months. These deaths number 58 fewer than in the preceding month. This death-rate is 11 less than in May, but 13 more than the June average. In the individual towns the infantile mortality rate of the month averaged 79, and varied from 145 in Hamilton, 119 in Ayr, and 103 in Paisley, to 32 in Falkirk, 34 in Clydebank, 38 in Dunfermline, and 47 in Motherwell and Wishaw. In Perth this rate was 100, in Greenock 99, in Dundee 94, in Glasgow 90, in Kirkcaldy 85, in Aberdeen 83, in Edinburgh 72, in Kilmarnock 63, and in Coatbridge 55.

Deaths from the principal epidemic diseases numbered 152, and equalled a death-rate of 0·8 per thousand. These deaths collectively numbered 90 fewer than in May, and 5 fewer than the June average. They included 35 from measles, 5 from scarlet fever, 55 from whooping-cough, 14 from diphtheria, and 43 from the diarrhoeas of childhood. Compared with the returns of the previous month, deaths from measles are 48 fewer, from whooping-cough 54 fewer and from diphtheria 1 fewer, while those from scarlet fever are of the same number, and those from the diarrhoeas of childhood are 14 more. The returns of this month included no deaths from enteric fever: in the previous month there was 1.

Deaths from influenza in all numbered 16, which is 11 fewer than in May. In March these deaths numbered 54, in April 38, and in May 27.

Deaths from respiratory diseases other than phthisis, but exclusive of those associated with influenza, numbered 354, and equalled a death-rate of 1·8 per thousand. These deaths are 121 fewer than in May. This death rate is 0·5 less than that of May, but 0·2 more than the June average.

Deaths from all forms of tuberculosis numbered 247, of which 179 were attributed to tuberculosis of the respiratory system, the former number being 8 more than in May, but 6 less than the June average. The latter number is 11 more than in May, and 5 more than the June average.

METEOROLOGICAL NOTES supplied by the Meteorological Office, Edinburgh.

JUNE 1928.

Mean barometric pressure, 29.797 in.; less than the average of 1881-1915 by 0.172 in.

Mean temperature, $51^{\circ}8$; less by $3^{\circ}5$.

Mean daily range of temperature, $13^{\circ}7$; less by $1^{\circ}7$.

Rain, depth in inches, 4.90; greater by 2.67 in.

Wind, direction of: a 3 days' excess of winds from between N.W., and N.E.

Anticyclonic weather prevailed during the first three or four days of the month; but by 6th conditions had become unsettled. Between 9th and 11th a depression moved slowly from the south-west of Ireland to Scandinavia, and, with pressure almost continuously high over Iceland, very cold polar air streamed southwards in the rear of this and other depressions. From 25th onwards a stormy south-westerly type of weather was in evidence. The range of pressure was considerable, and at Edinburgh, at mean sea-level, the extremes were 30.38 in. on 2nd and 29.08 in. on 9th.

From 1st to 3rd temperature was high in many districts, with 77° at Stirling on 1st, 75° at Perth on 2nd and 75° at Paisley on 3rd. There was then a sharp fall and at some places the maximum reading on 4th was as much as 20° lower than that on 3rd. Thereafter cold, or extremely cold weather prevailed, most notably during the second week, with ground frost on several nights in some districts. The lowest reading reported in the screen was 28° at Balmoral, Braemar, and Logie Coldstone on 5th. For Scotland as a whole, the month was almost as cold as June 1927, which was much the coldest June for at least 60 years and probably for a very much longer period.

Rainfall was everywhere above the average. In Orkney the excess was trifling; but in many districts it was large, and considerable areas along the Forth-Clyde belt and in the eastern and southern counties had more than twice the average. Practically no rain fell until 6th and in north-west and north hardly any until 9th, when heavy continuous rain became general. On 9th many districts in all parts of Scotland had more than 1 inch, and Portree, Kinlochquoich, and points in the Loch Katrine area more than 2 inches. This rainstorm lasted through a great part of 10th. On 13th heavy falls occurred in south east and south (1.97 in. at Langholm) and thereafter conditions remained rather unsettled though in eastern districts especially there were some fine days. On 22nd Kinlochquoich had 2.07 in.; on 28th, Inveraray 1.02 in.; and on 30th Glen Etive 2.00 in.

Stormy weather prevailed from 9th to 11th and from 25th onwards. Snow fell on high ground during the second week.

Thunder occurred here and there on 6th, 8th, 9th, 11th, and 13th; somewhat widely in the east on 17th; and in the Clyde area on 21st, 22nd, 28th or 29th.

The first three or four days of the month were very sunny, and even in the east there were a few sunny days thereafter. Sunshine aggregates were slightly above the average at Ab rdeen and Edinburgh; but in the west decidedly above it.

NOTE.—The mean values refer to those of the Principal Towns named in meteorological Table on p. 48.

Abstract.

TABLE I.—ABSTRACT OF BIRTHS, DEATHS, AND MARRIAGES
in the Principal Towns, JUNE 1928.

TOWNS.	POPULATION.		BIRTHS.					MARRIAGES.	DEATHS.					
	Census 1921.	Estimated to middle of 1928.	Males.	Females.	Total.	Legiti- mate.	Illegiti- mate.		Registered	Transfers	Total.	Out.	In.	Total Corrected.
									Males.	Females.	Total.			
GLASGOW,	1,051,518	1,060,500	1070	983	2053	1906	147	947	632	590	1222	125	55	1152
EDINBURGH,	420,264	426,300	353	301	654	609	45	386	263	234	497	82	21	436
DUNDEE,	168,315	174,800	147	141	288	270	18	111	110	94	204	18	5	191
ABERDEEN	158,963	158,500	152	123	275	253	22	166	89	94	183	26	22	179
PAISLEY,	84,887	87,900	73	78	151	143	8	64	46	57	103	10	4	97
GREENOCK,	81,123	80,200	95	79	174	165	9	58	54	27	81	2	2	81
MOTHERWELL AND WISHAW,	68,869	70,100	67	60	127	121	6	59	29	16	45	1	9	53
CLYDEBANK,	46,601	48,600	54	47	101	97	4	21	13	9	22	2	17	37
COATBRIDGE,	43,919	44,300	42	63	105	97	8	27	16	21	37	0	4	41
DUNFERMLINE,	39,899	38,200	23	27	50	47	3	28	16	17	33	8	2	27
KIRKCALDY,	39,591	41,100	24	37	61	55	6	40	11	19	30	2	8	36
HAMILTON,	39,504	41,100	54	42	96	88	8	15	18	22	40	0	8	48
KILMARNOCK,	35,911	37,400	28	40	68	66	2	35	26	18	44	8	8	44
AYR,	35,763	37,500	29	27	56	52	4	26	33	21	54	14	4	44
FALKIRK,	33,308	36,000	31	26	57	52	5	26	25	17	42	7	2	37
PERTH,	33,208	33,700	34	23	57	49	8	38	38	23	61	12	1	50
TOTAL (SIXTEEN TOWNS)	2,381,593	2,416,200	2276	2097	4373	4070	303	2038	1419	1279	2698	317	172	2553

TABLE II.—BIRTH-RATES, DEATH-RATES, AND MARRIAGE-RATES
in the Principal Towns, JUNE 1928.

TOWNS.	Birth- Rate per 1000 of Popu- lation.	Illegiti- mate Birth- Rate per 100 Births.	Marriage- Rate per 1000 of Popu- lation.	DEATH-RATES PER 1000 of POPULATION FROM					DEATHS UNDER ONE YEAR OF AGE.		
				All Causes.		Princi- pal Epidemic Diseases.	All Tuber- culosis.	Tuberc. of Respiratory System.	All Re- spiratory Diseases.	Number.	* Rate per 1000 Births.
				Regis- tered.	Corr. for Trans- fers.						
GLASGOW,	23·6	7·2	10·9	14·1	13·3	0·7	1·4	1·0	2·1	175	90
EDINBURGH,	18·7	6·9	11·0	14·2	12·5	0·5	1·1	0·8	1·6	44	72
DUNDEE,	20·1	6·3	7·7	14·2	13·3	0·7	1·6	1·1	2·2	27	94
ABERDEEN,	21·2	8·0	12·8	14·1	13·8	1·2	0·8	0·5	1·4	22	83
PAISLEY,	21·0	5·3	8·9	14·3	13·5	1·2	1·2	1·0	2·5	15	103
GREENOCK,	26·5	5·2	8·3	12·3	12·3	1·1	1·5	1·4	1·5	15	99
MOTHERWELL AND WISHAW,	22·1	4·7	8·7	7·8	9·2	0·7	0·9	0·7	0·9	6	47
CLYDEBANK,	25·3	4·0	5·3	5·5	9·3	0·0	1·3	1·0	0·5	3	34
COATBRIDGE,	28·9	7·6	7·4	10·2	11·3	0·6	1·1	0·8	1·9	5	55
DUNFERMLINE,	16·0	6·0	9·0	10·6	8·6	0·0	0·6	0·6	0·3	2	38
KIRKCALDY,	18·1	9·8	11·9	8·9	10·7	0·0	0·6	0·6	0·0	5	85
HAMILTON,	28·5	8·3	4·5	11·9	14·3	2·7	1·8	0·6	0·9	11	145
KILMARNOCK,	22·2	2·9	11·4	14·4	14·4	1·3	0·7	0·7	2·0	4	63
AYR,	18·2	7·1	8·5	17·6	14·3	1·3	1·6	0·3	1·6	7	119
FALKIRK,	19·3	8·8	8·8	14·3	12·6	0·7	0·8	0·0	3·1	2	32
PERTH,	20·6	14·0	13·7	22·1	18·1	0·4	1·4	1·1	1·4	5	100
TOTAL (SIXTEEN TOWNS)	22·1	6·9	10·3	13·6	12·9	0·8	1·2	0·9	1·8	348	84

* Based on the average number of births registered monthly during the past 12 months

TABLE III.—BIRTH-RATE, DEATH-RATE, &c. FOR JUNE 1928, and for the Corresponding Month of the Preceding Ten Years, in the PRINCIPAL TOWNS.

MONTH.	Birth-Rate.	Illegitimate Birth-rate per 100 Births.	Marriage-Rate.	Death-Rate.	DEATHS FROM								*Infantile Mortality Rate.	Mean Temperature. Seven Towns only.
					(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)		
(1)	(2)	(3)	(4)	(5)										
JUNE 1928 .	22.1	6.9	10.3	12.9	0	0	35	5	55	14	43	84	51°.8	
JUNE 1927, .	21.5	6.1	10.9	12.4	2	0	32	7	54	14	23	71	51°.6	
JUNE 1926, .	23.1	6.2	9.8	11.8	1	0	29	16	25	17	31	70	55°.3	
JUNE 1925, .	25.5	6.7	11.2	12.6	0	0	9	28	116	23	43	79	57°.4	
JUNE 1924, .	24.3	6.1	11.4	12.8	0	0	36	19	71	21	26	78	54°.2	
JUNE 1923, .	24.8	6.1	11.7	12.8	1	0	52	17	45	19	28	80	54°.0	
JUNE 1922, .	26.6	7.1	11.6	12.8	2	0	121	4	48	15	47	75	54°.3	
JUNE 1921, .	29.5	7.5	13.0	12.6	4	0	5	9	96	15	37	76	56°.5	
JUNE 1920, .	30.7	9.5	16.6	13.2	2	19	49	8	23	24	54	86	55°.6	
JUNE 1919, .	21.9	9.3	16.7	12.1	1	0	75	5	69	11	24	88	55°.4	
JUNE 1918, .	20.8	9.5	10.4	11.4	3	0	69	5	60	25	31	81	54°.9	

Figures in columns 5-13 have been corrected for non-resident deaths.

* Per 1000 of the average number of births registered monthly during the past 12 months.

AGGREGATE OF THE SIXTEEN PRINCIPAL TOWNS—June 1928

CAUSES OF DEATH.	Total.	Males.	Females.	Age.											
				-1	1-	5-	10-	15-	25-	35-	45-	55-	65-	75-	85 & over
Aortic Fever	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cerebral Palsy	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Small-pox	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Measles	35	22	13	9	25	1	-	-	-	-	-	-	-	-	-
Scarlet Fever	5	3	2	-	3	1	-	-	-	-	-	-	-	-	-
Whooping-cough	55	21	34	24	31	-	-	-	-	-	-	-	-	-	-
Tuberculosis	14	9	5	3	7	2	-	-	-	-	-	-	-	-	-
Influenza	16	8	8	1	1	-	-	-	-	-	-	-	-	-	-
Cerebral Hemorrhage	7	3	4	-	-	-	-	-	-	-	-	-	-	-	-
Rebro-spinal Meningitis	10	7	3	5	2	1	-	-	-	-	-	-	-	-	-
Other Epidemic Diseases	8	4	4	2	-	-	-	-	-	-	-	-	-	-	-
Tuberculosis of Respiratory System	179	110	69	5	6	1	4	38	38	34	27	20	4	2	-
Tuberculous Meningitis	36	23	13	5	14	6	1	7	2	-	1	-	-	-	-
Tuberculosis of Intestines and Peritoneum	18	8	10	2	5	1	1	4	1	2	1	1	-	-	-
Other Tuberculous Disease	14	6	8	-	-	1	3	5	1	1	2	1	-	-	-
Malignant Tumours	297	146	151	-	4	-	1	4	6	20	54	82	83	42	1
Pneumatic Fever	9	3	6	-	-	1	1	2	1	-	3	-	-	-	-
Meningitis (not Cer.-spin. or Tuberc.)	16	5	11	4	6	-	-	3	1	1	-	-	-	-	-
Hepatitis	230	105	125	-	-	-	1	1	1	2	15	55	86	62	8
Heart Disease	334	152	182	2	1	-	5	9	21	22	27	62	94	76	15
Seizures of Arteries	34	17	17	-	-	-	-	-	-	1	2	5	13	8	5
Tonchitis	106	65	41	11	5	-	-	2	-	3	3	23	28	24	7
Pneumonia (all forms)	224	141	83	50	30	4	2	9	15	16	28	21	33	15	1
Other Diseases of Respiratory System	24	15	9	3	1	-	2	-	1	1	2	5	6	2	1
Diarrhoea and Enteritis (under 2 years)	43	24	19	36	7	-	-	-	-	-	-	-	-	-	-
Appendicitis	17	11	6	-	2	2	1	2	2	3	3	1	8	3	-
All Diseases of Liver (not Malignant)	19	8	11	-	-	1	-	-	-	1	5	8	3	1	-
Nephritis, Acute and Chronic	74	36	38	-	2	2	-	4	6	4	18	17	11	9	1
Suppurative Sepsis	10	-	10	-	-	-	-	2	4	4	-	-	-	-	-
Other Dis. & Accidents of Preg. & Part.	15	-	15	-	-	-	-	5	3	7	-	-	-	-	-
Diseases of Early Infancy and Malform.	148	93	55	145	2	1	-	-	-	-	-	-	-	-	-
Suicide	34	23	11	-	-	-	-	1	3	8	10	7	5	-	-
Her Violent Deaths	100	64	36	6	25	5	1	8	12	7	14	11	4	7	-
Her Defined Diseases	385	180	205	33	14	7	5	6	15	33	37	51	76	85	23
Causes Ill-defined or Unknown	37	19	18	2	-	1	-	1	1	2	6	7	10	6	1
	2553	1331	1222	348	193	38	30	115	139	173	263	387	463	841	63

DEATHS IN EACH TOWN (corrected for Transfers)—June 1928.

		CAUSES OF DEATH.		Total.	Glasgow.	Edinburgh.	Dundee.	Aberdeen.	Paisley.	Greenock.	Motherwell and Wishaw.	Clydebank.	
Enteric Fever	
Typhus Fever	
Small-pox	35	3	5	2	14	1	2	2	1	
Measles	5	1	...	...	...	...	...	...	1	
Scarlet Fever	55	28	5	6	2	6	2	...	...
Whooping-cough	14	10	1	...	...	1	1	...	...
Diphtheria	16	10	2	...	...	...	...	...	...
Influenza	7	4	1	...	...	...	...	...	...
Encephalitis Lethargica	10	5	5	...	...	...	...	...	...
Cerebro-spinal Meningitis	8	3	2	1	1	...	...	...	...
Other Epidemic Diseases	179	90	27	16	7	7	9	4	4	
Tuberculosis of Respiratory System	36	19	7	4	2	1	1	...	1	
Tuberculous Meningitis	18	6	2	2	...	...	...	...	1	
Tuber. of Intestines and Peritoneum	14	7	1	1	1	...	...	1	...	
Other Tuberculous Disease	297	140	40	29	20	8	8	9	5	
Malignant Tumours	9	1	2	...	...	...	1	...	...
Rheumatic Fever	16	5	4	2	...	1	1	1	...	
Meningitis(not Cerebro-spinal or Tuber.)	230	91	47	21	18	8	7	2	3	
Apoplexy	334	135	67	19	36	11	10	7	3	
Heart Disease	34	12	5	1	9	2	...	1	1	
Diseases of Arteries	106	51	21	8	8	6	3	2	1	
Bronchitis	224	117	30	20	9	11	7	3	1	
Pneumonia (all forms)	24	11	5	3	1	1	...	...	...
Other Diseases of Respiratory System	43	23	8	2	...	2	3	1	...	
Diarrhoea and Enteritis (under 2 years)	17	5	1	1	2	2	2	1	1	
Appendicitis	19	9	3	2	...	1	1	...	...
All Diseases of Liver (not Malignant)	74	38	11	4	4	...	2	2	2	
Nephritis, Acute and Chronic	10	6	3	...	...	...	...	1	...	
Puerperal Sepsis	15	8	2	...	2	...	...	...	...
Other Diseases and Accidents of Pregnancy and Parturition	148	68	19	10	8	10	7	4	2	
Dis. of Early Infancy and Malformations	34	13	9	2	2	...	...	1	...	
Suicide	100	43	20	9	6	2	3	2	4	
Other Violent Deaths	385	168	81	23	27	13	9	8	7	
Other Defined Diseases	37	22	...	3	...	2	2	...	2	
Causes Ill-defined or Unknown	All Causes	2553	1152	436	191	179	97	81	53	37
AGE AT DEATH.													
Under 1	348	175	44	27	22	15	15	6	3	
1-4	193	84	34	11	17	9	5	4	2	
5-9	38	13	8	4	3	1	3	1	...	
10-14	30	15	3	1	3	2	1	2	...	
15-24	115	57	17	5	6	3	2	5	2	
25-34	139	63	20	11	11	4	10	6	1	
35-44	173	90	26	10	9	8	8	3	3	
45-54	263	118	47	20	19	5	6	3	9	
55-64	387	189	58	27	23	11	11	5	4	
65-74	463	196	95	38	24	25	9	9	12	
75-84	341	134	70	30	34	11	10	8	1	
85 and over	63	18	14	7	8	3	1	1	...	
All Ages	All Ages	2553	1152	436	191	179	97	81	53	37

DEATHS IN EACH TOWN (corrected for Transfers)—June 1928—*continued.*

CAUSES OF DEATH.

		Coatbridge.	Dunfermline.	Kirkcaldy.	Hamilton.	Kilmarnock.	Ayr.	Falkirk.	Perth.
Enteric Fever	...	1	1	1	1	2	2	1	1
Typhus Fever	...	1	1	1	1	1	1	1	1
Small-pox	...	1	1	1	1	1	1	1	1
Measles	...	1	1	1	1	1	1	1	1
Scarlet Fever	...	1	1	1	1	1	1	1	1
Whooping-cough	...	1	1	1	1	1	1	1	1
Diphtheria	...	1	1	1	1	1	1	1	1
Influenza...	...	1	1	1	1	1	1	1	1
Encephalitis Lethargica	...	2	2	2	2	2	2	2	2
Cerebro-spinal Meningitis	...	1	1	1	1	1	1	1	1
Other Epidemic Diseases	...	1	1	1	1	1	1	1	1
Tuberculosis of Respiratory System	...	3	2	2	2	2	1	1	3
Tuberculous Meningitis	...	1	1	1	1	1	1	1	1
Tuber. of Intestines and Peritoneum	...	1	1	1	1	1	3	1	1
Other Tuberculous Disease	...	1	1	2	2	2	2	1	1
Malignant Tumours	...	7	2	7	1	5	2	8	6
Rheumatic Fever	...	1	1	1	1	3	1	1	1
Meningitis (not Cerebro-spinal or Tuber.)	...	1	2	1	1	1	10	8	7
Apoplexy...	...	1	7	2	1	4	6	3	5
Heart Disease	...	5	7	10	5	5	6	3	5
Diseases of Arteries	...	1	1	1	1	1	1	1	1
Bronchitis	...	1	1	1	1	1	3	1	1
Pneumonia (all forms)	...	6	1	3	3	5	1	7	3
Other Diseases of Respiratory System	...	1	1	1	1	1	1	1	1
Diarrhoea and Entiritis (under 2 years)	...	1	1	1	1	1	2	1	1
Appendicitis	...	2	1	1	1	1	1	1	1
All Diseases of Liver (not Malignant)	...	1	1	1	1	1	1	1	1
Nephritis, Acute and Chronic	...	2	1	1	2	1	1	1	3
Puerperal Sepsis	...	1	1	1	1	1	1	1	1
Other Diseases and Accidents of Pregnancy and Parturition	...	1	1	1	1	1	1	1	1
Dis. of Early Infancy and Malformations	...	4	2	4	4	1	2	1	3
Suicide	...	1	1	1	1	1	1	1	4
Other Violent Deaths	...	1	2	2	2	1	1	2	3
Other Defined Diseases...	...	4	7	5	7	7	8	2	9
Causes Ill-defined or Unknown	...	1	2	1	1	1	1	1	1
All Causes	...	41	27	36	48	44	44	37	50

AGE AT DEATH.

Under 1	1-4	5-9	10-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85 and over	All Ages
5	2	5	11	4	7	1	1	6	1	12	1	41
3	1	1	7	2	1	1	1	8	9	3	4	27
1	1	1	1	1	1	1	1	4	9	2	1	36
1	3	1	1	3	1	1	1	6	4	3	1	48
1	1	1	1	1	1	1	1	1	3	1	1	44
5	...	1	1	1	1	1	1	1	1	1	1	44
4	1	8	6	8	1	1	6	8	9	6	5	44
5	8	6	4	8	4	1	6	7	9	6	8	44
9	4	8	9	8	3	4	3	2	2	12	9	37
3	3	4	1	4	1	1	1	2	2	1	1	50

ABSTRACT OF METEOROLOGICAL OBSERVATIONS

Made at GLASGOW, EDINBURGH, DUNDEE, ABERDEEN, PAISLEY, GREENOCK, and PERTH,
During the Month of JUNE 1928.

OBSERVERS.	AIR PRESSURE at 9 A.M. and 9 P.M.		AIR TEMPERATURE.		HYGROMETER.		RAIN, AND OTHER FORMS OF PRECIPITATION.		WIND DIRECTIONS		Number of Observations at 9 A.M. and 9 P.M.																
	Mean at Sea-Level and 32°.		Absolute Maximum and Minimum.		Mean at 9 A.M. and 9 P.M.		Difference from Average.		N NNE E SE S SW W NW																		
	Height of Barometer above Sea-level	feet.	inch.	°	°	°	inch.	per cent.	inch.	inch.																	
GLASGOW, Professor J. R. CURRIE, M.D., The University.	139	29.651	29.804	58.1	46.2	52.1	-3.7	72	3rd	37	5th	53.2	4.4	.286	71	23	5.24	+2.72	0	6	14	4	2	10	16	8	0
EDINBURGH, Professor R. A. SAMPSON, F.R.S., Royal Observatory.	441	29.345	29.824	57.4	44.4	50.9	-3.1	70	3rd	38	5th	49.9	2.9	.286	79	21	5.18	+3.33	4	7	7	3	3	8	16	7	5
DUNDEE, A. MACRAE, Curator of Cemeteries.	164	29.603	29.783	58.0	44.1	51.1	-4.3	73	2nd	36	5th	51.1	3.2	.293	77	20	4.08	+2.28	0	12	0	10	0	20	0	18	0
ABERDEEN*, The Meteorological Office.	90	29.682	29.783	56.5	44.6	50.5	-3.0	66	24th	38	5th	51.8	4.2	.276	72	17	3.28	+1.57	10	4	1	5	11	3	8	13	5
PAISLEY, The Coats Observatory.	107	29.692	29.811	59.9	45.7	52.8	-4.5	75	3rd	86	5th	52.8	3.5	.310	77	24	5.82	+3.34	6	9	2	4	13	17	5	1	3
GREENOCK,† J. MACALISTER, M.Inst.C.E., Greenock Waterworks.	233	29.546	29.801	60.3	45.7	53.0	-2.5	72	3rd	38	5th	52.1	3.3	.303	77	25	7.01	+3.71	1	10	12	1	0	6	13	16	1
PERTH,† J. RITCHIE, The Museum.	22	29.752	29.776	60.2	43.9	52.1	-3.6	75	2nd	31	5th	53.6	4.0	.310	74	20	3.68	+1.71	0	8	8	5	1	32	0	6	0
Means . . .	171	29.610	29.797	58.6	44.9	51.8	-3.5	52.1	3.6	.295	75	21	4.90	+2.67	3	8	6	5	4	14	8	10	2

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North Latitude.—Glasgow, 56° 52'; Edinburgh, 55° 55'; Dundee, 56° 28'; Aberdeen, 56° 23'; Mean, 56° 14'.
West Longitude.—Glasgow, 4° 17'; Edinburgh, 3° 11'; Dundee, 2° 57'; Aberdeen, 2° 57'; Mean, 3° 36'.

* At 7 A.M. and 9 P.M.

For Official Use.

MONTHLY RETURN

OF THE

Births, Deaths, and Marriages

IN

Sixteen of the Principal Towns of Scotland

JULY 1928.

Published by Authority of the Registrar-General.

REPORT

During the month of July 1928 there were registered in the Sixteen Principal Towns of Scotland, those burghs which at the date of the 1921 Census had populations of over 30,000, the births of 4237 living children, of whom 2151 were males, and 2086 were females. Compared with the number registered in June, that of male children is 125 less, that of female children 11 less, and that of children of both sexes 136 less.

The monthly birth-rate in these towns taken collectively was 20·7 per thousand, which rate is 1·4 less than that of the previous month and 1·2 less than the July average.

The monthly birth-rate of the individual towns averaged 19·9, and varied from 31·2 in Coatbridge, 27·0 in Hamilton, and 23·8 in Greenock, to 15·1 in Falkirk, 15·5 in Dunfermline, and 16·5 in Perth. In Glasgow this rate was 22·7, in Motherwell and Wishaw 20·2, in Ayr 20·1, in Aberdeen 19·6, in Kirkcaldy 18·4, in Dundee 18·2, in Paisley 18·1, in Edinburgh 17·7, in Kilmarnock 17·7, and in Clydebank 17·2.

Of the 4237 living children whose births were registered during the month, 3951, or 93·2 per cent., were legitimate, while 286, or 6·8 per cent., were illegitimate. The legitimate children of the month numbered 119 fewer than in June, and the illegitimate children 17 fewer. The illegitimate rate of the month, 6·8 per cent., is 0·1 less than that of the previous month. In the individual towns the illegitimate rate of the month varied from 14·1 per cent. in Ayr, 9·6 in Hamilton, and 8·0 in Dunfermline, to 2·2 in Falkirk, 2·8 in Clydebank, 3·3 in Motherwell and Wishaw, and 3·7 in Greenock. In Glasgow this rate was 7·1, in Edinburgh 7·1, in Dundee 5·2, and in Aberdeen 7·6.

Marriages registered in these towns during the month numbered 2680, and equalled a marriage-rate of 13·1 per thousand. This number is 642 more than that of the previous month. This rate is 2·8 more than that of the previous month, and 1·1 more than the July average. The monthly marriage-rate in the individual towns averaged 12·0, and varied from 16·3 in Dundee, 15·7 in Paisley, and 15·2 in

NOTE.—The averages used for comparison are the means of the same rates in the corresponding months of the three preceding years.

Kilmarnock, to 5·3 in Greenock, 6·6 in Ayr, and 8·7 in Dunfermline. In Glasgow this rate was 13·2, in Edinburgh 14·1, and in Aberdeen 13·2.

Deaths registered in these towns during the month numbered 2475, and are 223 fewer than registered in June. Deducting deaths of persons with usual residence in Scotland but outwith the town of registration, and adding those of persons dying elsewhere in Scotland but with usual residence in one or other of these towns, the corrected number is found to be 2343, and to include the deaths of 1202 males and 1141 females. The corrected number is 210 less than that of the previous month.

The monthly death-rate in these towns taken collectively and based on the corrected number of deaths was 11·4 per thousand. This rate is 1·5 less than that of June, but equals the July average. The death-rate of the individual towns averaged 10·8, and varied from 14·4 in Perth, and 13·1 in Dundee, and in Coatbridge, to 6·1 in Clydebank, 7·7 in Motherwell and Wishaw, 8·0 in Hamilton, and 9·0 in Dunfermline. In Greenock the monthly death-rate was 11·9, in Glasgow 11·8, in Aberdeen 11·7, in Edinburgh 11·3, in Falkirk 11·2, in Paisley 11·0, in Ayr 11·0, in Kirkcaldy 10·6, and in Kilmarnock 10·1.

Deaths of children of less than one year old numbered 303, and equalled an infantile mortality rate of 71 per thousand of the average number of births registered monthly during the preceding twelve months. These deaths number 45 fewer than in the previous month. This mortality rate is 13 less than in the previous month, but equals the July average. The infantile mortality rates of the individual towns averaged 58, and varied from 97 in Ayr, 89 in Glasgow, 87 in Paisley, 84 in Dundee, and 81 in Falkirk, to 19 in Dunfermline, 34 in Clydebank, 37 in Hamilton, 38 in Perth, and 39 in Motherwell and Wishaw. In Coatbridge this rate was 73, in Kirkcaldy 65, in Greenock 57, in Aberdeen 47, in Kilmarnock 46, and in Edinburgh 41.

Deaths from the principal epidemic diseases numbered 120, and equalled a death-rate of 0·6 per thousand. These deaths collectively number 32 fewer than in the previous month, and 20 fewer than the July average. They include 1 death from enteric fever, 15 from measles, 4 from scarlet fever, 48 from whooping-cough, 16 from diphtheria, and 36 from the diarrhoeas of childhood. Compared with the returns of the previous month, deaths from measles are 20 fewer, from whooping-cough 7 fewer, from the diarrhoeas of childhood 7 fewer, and from scarlet fever 1 fewer, but deaths from enteric fever are 1 more, and from diphtheria 2 more.

Deaths from influenza in all numbered 8, which is 8 less than in the previous month. In April these deaths numbered 38, in May 27, and in June 16.

Deaths from respiratory diseases other than phthisis, but exclusive of those associated with influenza, numbered 307, and equalled a death-rate of 1·5 per thousand. These deaths are 47 fewer than in the previous month. This rate is 0·3 less than in the previous month, but is 0·2 above the July average.

Deaths from all forms of tuberculous disease numbered 205, of which 143 were attributed to tuberculosis of the respiratory system. The former number is 42 less than in the previous month, and 10 less than the July average, and the latter number is 36 less than in the previous month, and 7 less than the July average.

METEOROLOGICAL NOTES supplied by the Meteorological Office, Edinburgh.

JULY 1928.

Mean barometric pressure, 29.911 in.; greater than the average of 1881-1915 by 0.011 in.

Mean temperature, $57^{\circ}3$; less by $0^{\circ}6$.

Mean daily range of temperature, $12^{\circ}4$; less by $1^{\circ}9$.

Rain, depth in inches, 2.11; less by 0.88 in.

Wind, direction of: a 9 days' excess of south-westerly winds.

During the first week or so various depressions moved on north-easterly tracks across, or just beyond, the north of Scotland, and almost throughout the entire month conditions remained unsettled in west and north. Eastern districts, on the other hand, came under the influence of an anticyclone which was dominant over England from about 11th to 24th. On 26th and 27th a depression moved from the south of Scotland towards Scandinavia, and in the east the only very heavy rains, of the month occurred at this time. At Edinburgh, at mean sea-level, the extremes were 30.41 in. on 17th and 29.52 in. on 5th.

The mean temperature of the month was below the average in western districts; but about, or slightly above, the average in the east. Highest temperatures occurred on 11th, 14th, 15th, or about 21st (76° at Banff on 14th); but in the Glasgow area the thermometer never reached 70° . The mean daily range of temperature was decidedly low, largely in consequence of frequent cold days. The last two or three nights of the month were very cold (37° at Braemar on 30th-31st), and in northern districts ground frost occurred.

In eastern, south-western, and most southern districts rainfall was much below the average; but towards the north-east, much above it. Around Perth and in eastern Fife aggregates were less than 1 in., and Perth (0.83 in.) had less than one third of the average. Within the wet area, Glenquoich, in West Inverness-shire, had twice the average, and there the month, with 12.83 in., was the wettest July for at least 50 years. Falls exceeding 1 in. occurred in some southern districts on 1st and 4th, and towards north-west on these days and also on 2nd, 3rd, 10th, 11th, 13th and 14th; Kinlochquoich had 2.00 in. on 2nd, and on 10th as much as 3.08 in. with 2.54 in. at Ardgour and 2.07 in. at Glenelg on that day. Generally, the first half of the month was very wet in western districts, with about ten days dry weather thereafter and moderate rains from 26th onwards. In the eastern half of the country the period from 2nd-25th was abnormally dry,—here and there all but rainless,—with heavy falls on 26th and 27th and minor falls on 28th accounting for a great part of the month's aggregate. On 26th Boghall, near Edinburgh, had 1 in.

The preponderance of south-westerly winds was remarkable, and these were at times of considerable strength. On 30th-31st, with northerly winds, snow fell on the upper reaches of Ben Nevis, the Cairngorms, and other mountains.

A thunderstorm occurred along the Forth-Clyde belt on the afternoon of 28th; and one towards the north-east on 29th.

In the west, with much mist and cloud, sunshine aggregates were very deficient; in the east they differed little from the average. Edinburgh (176 hrs.) had more than twice as much sunshine as Stornoway (82 hrs.) where a cloudier July has occurred during the last 40 years only in 1917 (79 hrs.).

NOTE.—The mean values refer to those of the Principal Towns named in meteorological Table on p. 56.

TABLE I.—ABSTRACT OF BIRTHS, DEATHS, AND MARRIAGES
in the Principal Towns, JULY 1928.

TOWNS.	POPULATION.		BIRTHS.					MARRIAGES.	DEATHS.					
	Census 1921.	Estimated to middle of 1928.	Males.	Females.	Total.	Legiti-mate.	Illegiti-mate.		Registered	Transfers	Out.	In.	Total Corrected.	
								Males.	Females.	Total.				
GLASGOW,	1,051,518	1,060,500	1026	1014	2040	1896	144	1188	583	532	1115	127	76	1064
EDINBURGH,	420,264	426,300	325	313	638	593	45	509	220	243	463	75	21	409
DUNDEE,	168,815	174,800	145	125	270	256	14	241	101	94	195	11	10	194
ABERDEEN	158,963	158,500	140	123	263	243	20	177	78	86	164	30	23	157
PAISLEY,	84,837	87,900	65	70	135	125	10	117	48	40	88	8	2	82
GREENOCK,	81,123	80,200	86	76	162	156	6	36	44	43	87	9	3	81
MOTHERWELL AND WISHAW,	68,869	70,100	55	65	120	116	4	58	18	18	36	0	10	46
CLYDEBANK,	46,601	48,600	43	28	71	69	2	52	9	4	13	0	12	25
COATBRIDGE,	43,919	44,300	59	58	117	108	9	42	28	15	43	1	7	49
DUNFERMLINE,	39,899	38,200	28	22	50	46	4	28	28	13	36	12	5	29
KIRKCALDY,	39,591	41,100	32	32	64	61	3	49	21	13	34	0	3	37
HAMILTON,	39,504	41,100	45	49	94	85	9	40	7	12	19	0	9	28
KILMARNOCK,	35,911	37,400	23	33	56	52	4	48	17	21	38	6	0	32
AYR,	35,763	37,500	84	30	64	55	9	21	24	25	49	15	1	35
FALKIRK,	33,308	36,000	21	25	46	45	1	43	14	24	38	5	1	34
PERTH,	33,208	33,700	24	23	47	45	2	31	27	30	57	18	2	41
TOTAL . . . (SIXTEEN TOWNS)	2,881,593	2,416,200	2151	2086	4237	3951	286	2680	1262	1213	2475	317	185	2343

TABLE II.—BIRTH-RATES, DEATH-RATES, AND MARRIAGE-RATES
in the Principal Towns, JULY 1928.

TOWNS.	Birth-Rate per 1000 of Population.	Illegitimate Birth-Rate per 100 Births.	Marriage-Rate per 1000 of Population.	DEATH-RATES PER 1000 of POPULATION FROM						DEATHS UNDER ONE YEAR OF AGE.			
				All Causes.		Regis-tered.	Corr. for Trans-fers.	Principal Epidemic Diseases.	All Tubercu-losis.	Tuber. of Respiratory System.	All Re-spiratory Diseases.	Number.	* Rate per 1000 Births.
GLASGOW,	22.7	7.1	13.2	12.4	11.8	0.6	1.1	0.8	1.7	178	89		
EDINBURGH,	17.7	7.1	14.1	12.8	11.3	0.5	1.2	0.8	1.8	26	41		
DUNDEE,	18.2	5.2	16.3	13.2	13.1	0.5	0.9	0.8	1.0	25	84		
ABERDEEN,	19.6	7.6	13.2	12.2	11.7	0.7	0.9	0.3	1.0	13	47		
PAISLEY,	18.1	7.4	15.7	11.8	11.0	0.9	1.5	1.2	1.2	13	87		
GREENOCK,	23.8	3.7	5.3	12.8	11.9	0.7	0.7	0.7	1.3	9	57		
MOTHERWELL AND WISHAW,	20.2	3.3	9.8	6.1	7.7	0.3	0.2	0.2	1.0	5	39		
CLYDEBANK,	17.2	2.8	12.6	3.2	6.1	0.2	0.7	0.5	0.7	3	34		
COATBRIDGE,	31.2	7.7	11.2	11.5	13.1	0.8	1.1	0.8	2.9	7	73		
DUNFERMLINE,	15.5	8.0	8.7	11.1	9.0	0.3	0.0	0.0	0.3	1	19		
KIRKCALDY,	18.4	4.7	14.1	9.8	10.6	0.3	0.0	0.0	1.4	4	65		
HAMILTON,	27.0	9.6	11.5	5.5	8.0	0.6	0.9	0.6	0.9	3	37		
KILMARNOCK,	17.7	7.1	15.2	12.0	10.1	0.3	0.6	0.3	1.9	3	46		
AYR,	20.1	14.1	6.6	15.4	11.0	0.9	0.6	0.3	0.3	6	97		
FALKIRK,	15.1	2.2	14.1	12.5	11.2	0.7	0.7	0.0	1.0	5	81		
PERTH,	16.5	4.3	10.9	20.0	14.4	0.7	0.4	0.0	1.8	2	38		
TOTAL . . . (SIXTEEN TOWNS)	20.7	6.8	13.1	12.1	11.4	0.6	1.0	0.7	1.5	303	71		

* Based on the average number of births registered monthly during the past 12 months

TABLE III.—BIRTH-RATE, DEATH-RATE, &c. FOR JULY 1928, and for the Corresponding Month of the Preceding Ten Years, in the PRINCIPAL TOWNS.

Month.	Birth-Rate.	Illegitimate Birth-rate per 100 Births.	DEATHS FROM										Mean Temperature. Seven Towns only).
			Marriage-Rate.	Death-Rate.	Enteric Fever.	Smallpox.	Measles.	Scarlet Fever.	Whooping-Cough.	Diphtheria.	Diarrhoea (Under 2 Years).	*Infantile Mortality Rate.	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
JULY 1928, .	20·7	6·8	13·1	11·4	1	0	15	4	48	16	36	71	57·3
JULY 1927, .	20·1	6·3	11·9	11·5	0	0	46	5	44	15	37	71	59·4
JULY 1926, .	22·2	6·4	11·6	11·2	1	0	14	15	26	10	41	65	60·4
JULY 1925, .	23·4	6·6	12·2	11·4	3	0	12	19	69	10	53	78	60·2
JULY 1924, .	22·8	6·5	12·4	11·7	1	0	25	15	52	21	42	65	57·4
JULY 1923, .	24·2	7·3	13·7	11·3	2	0	30	12	35	15	44	65	59·8
JULY 1922 .	25·2	6·6	12·7	11·4	1	0	63	6	39	18	50	62	55·2
JULY 1921, .	26·0	7·3	12·6	11·2	5	0	6	16	52	17	88	70	60·5
JULY 1920, .	28·7	7·8	17·8	12·1	5	30	19	7	15	15	59	71	55·8
JULY 1919, .	21·3	8·9	16·8	11·1	3	0	48	4	53	20	32	78	57·0
JULY 1918, .	22·1	9·5	12·3	15·7	10	0	44	9	72	27	42	85	57·8

Figures in columns 5-13 have been corrected for non-resident deaths.

* Per 1000 of the average number of births registered monthly during the past 12 months.

AGGREGATE OF THE SIXTEEN PRINCIPAL TOWNS—July 1928

CAUSES OF DEATH.			Total.	Males.	Females.	Age.											
						-1	1-	5-	10-	15-	25-	35-	45-	55-	65-	75-	85 & over.
Scarlet Fever	-	-	-	-	-	1	1	-	-	-	-	-	-	1	-	-	-
Cholera	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Small-pox	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Measles	-	-	-	-	-	15	7	8	4	10	1	-	-	-	-	-	-
Uræmia	-	-	-	-	-	4	2	2	-	4	-	-	-	-	-	-	-
Whooping-cough	-	-	-	-	-	48	25	23	25	23	-	-	-	-	-	-	-
Tuberculosis	-	-	-	-	-	16	6	10	1	8	4	2	-	-	1	1	1
Influenza	-	-	-	-	-	8	3	5	-	-	-	1	1	-	1	3	1
Encephalitis Lethargica	-	-	-	-	-	5	2	3	-	1	-	-	1	1	1	-	-
Cerebro-spinal Meningitis	-	-	-	-	-	7	2	5	3	3	-	1	-	-	-	-	-
Other Epidemic Diseases	-	-	-	-	-	8	5	3	-	2	-	-	-	1	3	2	-
Tuberculosis of Respiratory System	-	-	-	-	-	143	80	63	1	3	1	2	42	24	25	26	12
Tuberculous Meningitis	-	-	-	-	-	16	10	6	2	8	2	1	1	2	-	-	-
Tuberculosis of Intestines and Peritoneum	-	-	-	-	-	24	9	15	2	4	2	3	2	1	3	3	1
Other Tuberculous Disease	-	-	-	-	-	22	14	8	1	4	2	1	2	4	2	3	-
Malignant Tumours	-	-	-	-	-	276	121	155	-	-	-	1	4	21	45	85	77
Scrofulous Fever	-	-	-	-	-	10	4	6	-	-	1	1	3	-	3	1	-
Measles (not Cer.-spin. or Tuberc.)	-	-	-	-	-	9	4	5	3	2	1	1	-	-	2	-	-
Diphtheria	-	-	-	-	-	232	93	139	-	-	-	-	1	2	1	19	34
Heart Disease	-	-	-	-	-	320	161	159	-	-	2	2	3	8	18	44	68
Maladies of Arteries	-	-	-	-	-	26	17	9	-	-	-	-	-	-	-	8	4
Orchitis	-	-	-	-	-	101	55	46	8	4	-	-	1	-	5	7	17
Pneumonia (all forms)	-	-	-	-	-	182	114	68	42	35	8	-	5	7	13	16	22
Other Diseases of Respiratory System	-	-	-	-	-	24	9	15	5	3	-	-	1	1	2	-	5
Diarrhoea and Enteritis (under 2 years)	-	-	-	-	-	36	23	13	30	6	-	-	-	-	-	-	-
Appendicitis	-	-	-	-	-	21	11	10	-	1	2	1	7	3	2	-	2
Other Diseases of Liver (not Malignant)	-	-	-	-	-	19	8	11	-	-	-	-	1	1	5	5	5
Arthritis, Acute and Chronic	-	-	-	-	-	54	26	28	-	-	-	1	-	4	6	11	9
Suppurative Sepsis	-	-	-	-	-	6	-	6	-	-	-	1	-	3	3	-	-
Other Dis. & Accidents of Preg. & Part.	-	-	-	-	-	19	-	19	-	-	-	2	11	6	-	-	-
Maladies of Early Infancy and Malform.	-	-	-	-	-	142	80	62	141	-	-	1	-	-	-	-	-
Suicide	-	-	-	-	-	26	20	6	-	-	-	1	5	4	10	4	2
Homicide	-	-	-	-	-	95	69	26	4	3	11	10	6	12	14	8	11
Other Violent Deaths	-	-	-	-	-	384	195	189	30	17	12	5	17	18	23	51	56
Other Defined Diseases	-	-	-	-	-	44	26	18	1	1	1	-	-	2	5	12	10
All other Ill-defined or Unknown	-	-	-	-	-	2343	1202	1141	303	142	50	32	97	113	162	263	361
															452	498	70

Causes of Death

DEATHS IN EACH TOWN (corrected for Transfers)—July 1928.

		CAUSES OF DEATH.		Total.	Glasgow.	Edinburgh.	Dundee.	Aberdeen.	Paisley.	Greenock.	Motherwell and Wishaw.	Glydebank.
Enteric Fever	1	1	...	...	...	...	...	...	...
Typhus Fever
Small-pox	15	2	6	...	...	...	...	1	...
Measles	4	3	...	...	3	5	2	1	...
Scarlet Fever	48	25	7	2	3	2	...	...	...
Whooping-cough	16	5	2	2	1	...	...	...	...
Diphtheria	8	4	1	...	...	...	1	...	...
Influenza	5	4	...	...	...	...	...	...	...
Encephalitis Lethargica	7	4	1	...	...	...	1	...	1
Cerebro-spinal Meningitis	8	3	2	...	...	...	1	...	...
Other Epidemic Diseases	143	74	29	12	4	9	5	1	2
Tuberculosis of Respiratory System	16	9	3	...	3	1	...	...	...
Tuberculous Meningitis	24	10	6	...	3	...	...	...	...
Tuber. of Intestines and Peritoneum	22	9	6	1	2	1	...	...	1
Other Tuberculous Disease	276	117	46	35	22	4	9	5	2
Malignant Tumours	10	5	2	...	...	1	1	...	...
Rheumatic Fever	9	5	1	...	...	...	1	1	...
Meningitis (not Cerebro-spinal or Tuber.)	232	98	40	15	24	9	9	5	2
Apoplexy	320	117	61	34	25	12	14	8	3
Heart Disease	26	5	6	6	6	...	...	...	...
Diseases of Arteries	101	49	24	4	2	4	2	5	2
Bronchitis	182	92	33	9	9	5	7	1	3
Pneumonia (all forms)	24	11	7	2	3	...	3	...	...
Other Diseases of Respiratory System	36	18	4	3	3	...	2	...	1
Diarrhoea and Enteritis (under 2 years)	21	8	6	1	...	...	2	...	...
Appendicitis	19	8	8	...	1	...	...	...	...
All Diseases of Liver (not Malignant)	54	15	14	3	5	3	2	1	1
Nephritis, Acute and Chronic	6	5	1	...	...	...	...	...	...
Puerperal Sepsis	19	12	2	...	...	1	1	1	...
Other Diseases and Accidents of Pregnancy and Parturition	142	82	11	13	8	6	4	3	1
Dis. of Early Infancy and Malformations	26	14	5	2	...	1	...	1	...
Suicide	95	45	15	10	3	2	1	3	2
Other Violent Deaths	384	182	53	36	25	16	13	8	5
Other Defined Diseases	44	23	7	4	2	...	2	1	...
Causes Ill-defined or Unknown	2343	1064	409	194	157	82	81	46	25
All Causes	
AGE AT DEATH.												
Under 1	303	178	26	25	13	13	9	5	3
1-4	142	67	22	6	12	6	9	3	5
5-9	50	18	7	6	2	3	2	...	1
10-14	32	14	5	2	...	1	...	1	...
15-24	97	48	18	6	4	4	3	1	1
25-34	113	64	20	8	5	4	4	...	1
35-44	162	85	26	9	7	5	8	4	5
45-54	263	120	52	19	14	5	13	2	4
55-64	361	170	60	32	24	10	15	6	1
65-74	452	189	92	40	34	15	9	12	3
75-84	298	92	63	35	33	11	9	11	...
85 and over	70	19	18	6	9	5	...	1	1
All Ages	2343	1064	409	194	157	82	81	46	25

DEATHS IN EACH TOWN (corrected for Transfers)—July 1928—*continued.*

CAUSES OF DEATH.												
					Oatbridge.	Dunfermline.	Kirkcaldy.	Hamilton.	Kilmarnock.	Ayr.	Falkirk.	Perth.
Enteric Fever	...	...	...	...	...	...	...	...	...	...	...	...
Typhus Fever	...	...	...	...	...	...	...	...	...	...	...	...
Small-pox	...	...	...	...	1	...	...	...	...	...	...	...
Measles	...	...	...	...	1	...	...	...	...	1	...	1
Scarlet Fever	...	...	...	...	1	...	...	...	...	...	...	...
Whooping-cough	...	...	...	...	...	1	...	2	...	...	...	...
Diphtheria	...	...	...	...	...	...	...	...	...	1	2	1
Influenza	...	...	...	...	1	1	...	...	...	...	...	...
Encephalitis Lethargica	...	...	...	...	...	...	...	...	...	...	1	...
Cerebro-spinal Meningitis	...	...	...	...	...	...	...	...	...	...	...	...
Other Epidemic Diseases	...	...	...	...	...	...	...	...	1	1	...	...
Tuberculosis of Respiratory System	...	3	...	...	...	...	2	1	1	1	...	...
Tuberculous Meningitis	...	...	...	...	...	...	...	...	...	...	...	...
Tuber. of Intestines and Peritoneum	...	...	...	...	...	...	...	1	1	1	1	1
Other Tuberculous Disease	...	1	...	...	...	...	...	...	...	...	1	...
Malignant Tumours	...	5	8	8	...	...	...	...	1	2	5	7
Rheumatic Fever	...	...	...	...	...	...	...	...	1	...	...	...
Meningitis(not Cerebro-spinal or Tuber.)	1	...	...	...	...	...	...	...	...	...	...	...
Apoplexy	...	...	1	3	6	3	2	...	5	2	8	...
Heart Disease	...	...	6	7	4	6	7	7	7	3	6	...
Diseases of Arteries	...	...	...	...	2	...	...	...	...	...	...	1
Bronchitis	...	...	4	1	1	...	...	4	...	...	...	1
Pneumonia (all forms)	...	...	6	...	4	3	2	1	1	3	4	...
Other Diseases of Respiratory System	1	...	...	...	...	...	...	...	...	...	...	...
Diarrhoea and Entiritis (under 2 years)	1	...	...	...	1	...	...	1	1	...	...	...
Appendicitis	...	...	...	1	...	...	...	1	...	1	...	...
All Diseases of Liver (not Malignant)	...	...	1	...	...	...	...	...	1	...	...	...
Nephritis, Acute and Chronic	...	2	...	...	3	...	...	...	2	...	...	3
Puerperal Sepsis	...	...	...	...	...	...	...	...	...	...	...	...
Other Diseases and Accidents of Pregnancy and Parturition	...	...	1	...	...	1	...	...	...	...	...	...
Dis. of Early Infancy and Malformations	2	...	...	3	1	...	...	...	3	4	1	...
Suicide	...	...	...	...	...	...	...	1	...	1	...	1
Other Violent Deaths	...	3	1	1	3	2	...	1	...	...	3	...
Other Defined Diseases	...	9	5	4	5	7	7	7	7	7	2	...
Causes Ill-defined or Unknown	...	...	...	...	1	...	...	...	...	3	1	...
All Causes	...	49	29	37	28	32	35	34	41			
AGE AT DEATH.												
Under 1	...	...	...	...	7	1	4	3	3	6	5	2
1-4	...	...	...	...	3	1	1	1	1	2	2	1
5-9	...	...	...	...	2	1	1	...	2	...	4	1
10-14	...	...	...	...	1	1	1	2	1	1	1	1
15-24	...	...	...	...	2	...	1	4	...	3	1	1
25-34	...	...	...	...	2	...	1	2	1	...	1	...
35-44	...	...	...	...	4	1	...	3	1	3	...	1
45-54	...	...	...	...	4	4	3	2	6	3	4	8
55-64	...	...	...	...	5	7	6	3	7	4	8	3
65-74	...	...	...	...	10	6	12	5	7	3	6	9
75-84	...	...	...	...	8	7	4	2	2	8	1	12
85 and over	...	...	...	...	1	...	3	1	1	2	1	2
All Ages	...	49	29	37	28	32	35	34	41			

ABSTRACT OF METEOROLOGICAL OBSERVATIONS

Made at GLASGOW, EDINBURGH, DUNDEE, ABERDEEN, PAISLEY, GREENOCK, and PERTH,

During the Month of JULY 1928.

OBSERVERS.	AIR PRESSURE at 9 A.M. and 9 P.M.		AIR TEMPERATURE.		HYGROMETER.		RAIN, AND OTHER FORMS OF PRECIPITATION.		WIND DIRECTIONS		Calm or Variable.									
			Mean of A and B (Mean Temperature).		Mean at 9 A.M. and 9 P.M.				Number of Observations at 9 A.M. and 9 P.M.											
	Mean of	Minimum (B.)	Maximum.	Day of Month.	Dry Bulb.	Vapour Pressure.	Depression of Wet Bulb.	Humidity.	N	NE	E	SE	S	SW	W	NW				
GLASGOW, Professor J. R. CURRIE, M.D., The University.	29.783	29.934	61.6	51.7	56.7	-1.3	69	14°/h	44	31st	57.2	3.9	•353	76	15	1.79 -1.30	0	2 0	22 30	6 0
EDINBURGH, Professor R. A. SAMPSON, F.R.S., Royal Observatory.	29.460	29.934	63.1	50.8	56.9	0.0	72	15th	42	31st	56.1	3.4	•353	78	12	2.11 -0.52	0	1 1	15 35	6 2
DUNDEE, A. MACRAE, Curator of Cemeteries.	29.713	29.890	65.9	51.2	58.5	+0.1	73	21, 24	43	29, 31	57.3	3.6	•363	77	11	1.09 -1.65	0	1 0	8 0	4 8
ABERDEEN, The Meteorological Office.	29.758	29.857	63.9	51.0	57.3	+0.7	74	11th	42	31st	57.3	4.3	•350	75	13	2.09 -0.72	4	2 4	1 8	15 11
PAISLEY, The Coats Observatory.	29.814	29.931	63.4	51.5	57.5	-1.8	68	14°/h	42	31st	57.3	3.4	•370	79	17	2.15 -0.71	0	0 1	8 18	26 6
GREENOCK, J. MACALISTER, M.Inst. C.E., Greenock Waterworks.	29.685	29.940	60.9	51.0	55.9	-1.7	65	11, 22	42	31st	55.7	2.9	•370	81	21	4.70 +0.78	0	0 0	1 2	25 26
PERTH, J. RITCHIE, The Museum.	29.869	29.893	66.0	50.2	58.1	-0.3	73	21st	41	31st	58.7	4.0	•383	77	15	0.83 -2.06	0	0 1	2 0	50 4
Means . .	171	29.726	29.911	63.5	51.1	57.3	-0.6	57.1	3.6	•363	78	15	2.11 -0.88	1	1 1	3 4	28 17

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North Latitude.—Glasgow, 55° 52'; Edinburgh, 55° 55'; Dundee, 56° 28'; Aberdeen, 57° 9'; Paisley, 55° 51'; Greenock, 55° 57'; Perth, 56° 23'; Mean, 56° 14'.
West Longitude.—Glasgow, 4° 17'; Edinburgh, 3° 11'; Dundee, 2° 57'; Aberdeen, 2° 7'; Paisley, 4° 27'; Greenock, 4° 46'; Perth, 3° 25'; Mean, 3° 36'.* At 7 A.M. and 6 P.M.
† At 9 A.M. only.

For Official Use.

MONTHLY RETURN
OF THE
Births, Deaths, and Marriages
IN
Sixteen of the Principal Towns of Scotland

AUGUST 1928.

Published by Authority of the Registrar-General.

REPORT

During the month of August 1928 there were registered in the Sixteen Principal Towns of Scotland, those burghs which at the date of the 1921 Census had populations of over 30,000, the births of 4142 living children, of whom 2075 were males, and 2067 were females. Compared with the number registered in the previous month, that of males is 76 fewer, and of females 19 fewer, while that of children of both sexes is 95 fewer.

The monthly birth-rate in these towns taken collectively was 20·2 per thousand, which rate is 0·5 less than that of the previous month and 0·4 less than the August average.

The monthly birth-rate of the individual towns averaged 20·0, and varied from 29·8 in Coatbridge, 27·8 in Kilmarnock, and 23·9 in Hamilton, to 12·6 in Perth, 12·9 in Kirkcaldy, and 14·2 in Dunfermline. In Paisley this rate was 21·9, in Greenock 21·8, in Glasgow 21·5, in Motherwell and Wishaw 21·4, in Aberdeen 21·2, in Clydebank 19·9, in Dundee 18·4, in Falkirk 18·1, in Ayr 17·3, and in Edinburgh 16·9.

Of the 4142 living children whose births were registered during the month, 3865, or 93·3 per cent., were legitimate, while 277, or 6·7 per cent., were illegitimate. The legitimate children of the month numbered 86 fewer than those of the previous month, and the illegitimate children numbered 9 fewer. The illegitimate rate of the month, 6·7, is 0·1 less than that of the previous month. In the individual towns the illegitimate rate of the month varied from 11·0 per cent. in Dundee, 9·6 in Hamilton, and 8·8 in Aberdeen, to 1·2 in Clydebank, 2·2 in Dunfermline and in Kirkcaldy, 2·8 in Perth, and 3·4 in Greenock and in Kilmarnock. In Glasgow this rate was 7·3, and in Edinburgh 5·2.

Marriages registered in these towns during the month numbered 1366, and equalled a marriage-rate of 6·7 per thousand. This number is 1314 less than in the previous month. This rate is 6·4 less than that of the previous month, but 2·6 more than the August average. In the individual towns the marriage-rate averaged 5·5, and varied from 10·1 in Aberdeen, 8·7 in Edinburgh, 7·7 in Dunfer-

NOTE.—The averages used for comparison are the means of the same rates in the corresponding months of the three preceding years.

line and 7·0 in Perth, to 2·4 in Coatbridge, 3·2 in Clydebank, 3·5 in Motherwell and Wishaw and in Kilmarnock, and 3·7 in Kirkcaldy. In Glasgow this rate was 6·8, and in Dundee 4·9.

Deaths registered in these towns during the month in all numbered 2475, which is the same as in the previous month. Deducting the deaths of persons with usual residence in Scotland but outwith the town of registration, and adding those of persons dying elsewhere in Scotland but with usual residence in one or other of these towns, the corrected number is found to be 2343, and to include the deaths of 1194 males and 1149 females. The corrected number is also found to be the same as it was in the previous month. The corrected number of male deaths is 8 fewer, but that of female deaths is 8 more than in that month.

The monthly death-rate in these towns taken collectively and based on the corrected number of deaths was 11·4 per thousand, which is the same as in the previous month, but is 0·2 more than the August average. In the individual towns the monthly death-rate averaged 10·6, and varied from 14·5 in Falkirk, 13·4 in Dundee, 13·2 in Greenock, and 12·0 in Glasgow, to 7·1 in Dunfermline, 8·4 in Perth, 8·6 in Hamilton, and 8·9 in Motherwell and Wishaw and in Paisley. In Aberdeen the monthly death-rate was 11·4, in Coatbridge 11·2, in Edinburgh 11·0, in Clydebank 10·9, in Kilmarnock 10·1, in Kirkcaldy 10·0, and in Ayr 9·8.

Deaths of children of less than one year old numbered 332, and equalled an infantile mortality rate of 77 per thousand of the average number of births registered monthly during the preceding twelve months. These deaths number 29 more than in the previous month. This mortality rate is 6 more than that of the previous month and 6 more than the August average. In the individual towns the infantile mortality rate of the month averaged 66 per thousand births, and varied from 113 in Falkirk, 97 in Aberdeen, 89 in Glasgow, and 84 in Dundee, to 19 in Dunfermline, 30 in Kilmarnock, and 39 in Motherwell and Wishaw. In Coatbridge this rate was 82, in Ayr 81, in Hamilton 73, in Greenock 69, in Paisley 66, in Perth 59, in Clydebank 57, in Edinburgh 55, and in Kirkcaldy 48.

Deaths from the principal epidemic diseases numbered 108, and equalled a death-rate of 0·5 per thousand. These deaths collectively are 12 fewer than in the previous month, and 51 fewer than the August average. They include 1 death from enteric fever, 4 from measles, 2 from scarlet fever; 43 from whooping-cough, 7 from diphtheria, and 51 from the diarrhoeas of childhood. Compared with the returns of the previous month, deaths from the diarrhoeas of childhood are 15 more, but those from enteric fever are of the same number, while those from scarlet fever are 2 fewer, from whooping-cough 5 fewer, from diphtheria 9 fewer, and from measles 11 fewer.

Deaths from influenza in all numbered 12, which is 4 more than in the previous month. In May these deaths numbered 27, in June 16, and in July 8.

Deaths from respiratory diseases other than phthisis, but exclusive of those associated with influenza, numbered 301, and equalled a death-rate of 1·5 per thousand. These deaths numbered 6 fewer than in the previous month. The rate is the same as in the previous month, but is 0·3 more than the August average.

Deaths from all forms of tuberculosis numbered 210, of which 144 were attributed to tuberculosis of the respiratory system. The former number is 5 more than in the previous month, and 2 more than the August average. The latter number is 1 more than that of the previous month, but 4 less than the August average.

METEOROLOGICAL NOTES supplied by the Meteorological Office, Edinburgh.

AUGUST 1928.

Mean barometric pressure, 29·806 in.; less than the average of 1881-1915 by 0·053 in.

Mean temperature, 57°·5; greater by 0°·3.

Mean daily range of temperature, 12°·5; less by 1°·4.

Rain, depth in inches, 4·08; greater by 0·39 in.

Wind, direction of: a 5 days' excess of winds from south-east and south.

Pressure was at first high over Scotland; but by evening of 5th an extensive Atlantic depression had encroached on Ireland, and this moved very slowly north-east. By 8th the centre had reached the Faroes, and after high pressure for a day or two conditions from 11th to 15th were very unsettled. Later, from 19th to 29th, pressure was continuously low along a belt stretching from the Atlantic across the British Isles to the North Sea, with various primary and secondary depressions moving eastwards within this belt. At Edinburgh, at mean sea-level, the extremes were 30·22 in. on 31st, and 29·36 in. on 13th.

After very cold weather for a day or two, with minima of 33° at Braemar on 1st and of 34° at Balmoral and West Linton on 2nd, there was a decided temperature recovery, with readings on 5th of 79° at Perth and 76° at Paisley and Stirling. From 11th onwards temperature was on the whole variable, and at times only moderate. Means for the month differed but little from the average.

In the extreme north-west and north rainfall was much below the average; but elsewhere there was for the most part an excess, slight to moderate in the west but considerable in some eastern and southern areas. After fine weather in all districts heavy rain set in in the south of Scotland on the evening of 5th, and during the next two or three days a rain area spread gradually northwards. After a temporary improvement, conditions from 10th or 11th were very unsettled in many districts for several days. On 19th and 20th there were again rather heavy falls in south-east and south; on 23rd fairly widespread rains; and from 25th to 29th some heavy falls, often due to thunderstorms and somewhat local in their greatest intensity. At Eskdalemuir the aggregate amount for 5th and 6th was about 2 in.; on 7th, Inveraray had 1·86 in.; on 11th, Langholm 2·02 in.; and on 29th, Kingsbarns 1·55 in., in a sharp thunderstorm, but St. Andrews, six miles distant, only about half an inch. Generally, weather in the west was much finer than in the east. In Orkney there was hardly any rain of importance after 12th.

Thunderstorms occurred here and there on 2nd, 4th and 5th; in many eastern districts on each day from 11th to 15th; rather widely on 12th and 13th; and over more or less wide areas on each day from 23rd to 29th. Eastern areas were chiefly affected, notably on evening of 26th; but on 29th a severe storm extended to south and west, with structural damage in the Dumfries area. Flooding occurred at times, especially in the Border districts; and various heavy rainfalls within short periods were locally destructive—as on the railway line between Brora and Loth, in Sutherlandshire, on 12th. Orkney and the north-west of Scotland appear to have been immune from thunderstorms.

In eastern districts sunshine aggregates were below the average; in the west moderate, but at Tiree as much as 173 hours as compared with 112 hours at Aberdeen.

NOTE.—The mean values refer to those of the Principal Towns named in meteorological Table on p. 64.

Abstract.

TABLE I.—ABSTRACT OF BIRTHS, DEATHS, AND MARRIAGES
in the Principal Towns, AUGUST 1928.

TOWNS.	POPULATION.		BIRTHS.					DEATHS.						
	Census 1921.	Estimated to middle of 1928	Males.	Females.	Total.	Legiti- mate.	Illegiti- mate.	MARRIAGES.	REGISTERED	TRANSFERS	Total Correced.			
			Males.	Females.	Total.	Out.	In.	Males.	Females.	Total.				
GLASGOW,	1,051,518	1,060,500	964	970	1934	1793	141	608	642	523	1165	132	48	1081
EDINBURGH,	420,264	426,300	294	317	611	579	32	313	202	222	424	60	32	396
DUNDEE,	168,815	174,800	144	128	272	242	30	72	98	106	204	14	8	198
ABERDEEN	158,963	158,500	137	148	285	260	25	136	78	89	167	33	19	153
PAISLEY,	84,837	87,900	86	77	163	155	8	42	34	35	69	8	5	66
GREENOCK,	81,123	80,200	64	84	148	143	5	35	41	48	89	7	8	90
MOTHERWELL AND WISHAW,	68,869	70,100	60	67	127	118	9	21	18	26	44	1	10	53
CLYDEBANK,	46,601	48,600	40	42	82	81	1	13	14	14	28	2	19	45
COATBRIDGE,	43,919	44,300	59	53	112	107	5	9	18	18	36	1	7	42
DUNFERMLINE,	39,899	38,200	23	23	46	45	1	25	16	16	32	12	3	23
KIRKCALDY,	39,591	41,100	27	18	45	44	1	13	17	17	34	6	7	35
HAMILTON,	39,504	41,100	45	38	83	75	8	15	14	11	25	0	5	30
KILMARNOCK,	35,911	37,400	46	42	88	85	3	11	18	18	36	7	3	32
AYR,	35,763	37,500	36	19	55	51	4	15	19	19	38	10	3	31
FALKIRK,	33,308	36,000	28	27	55	52	3	18	28	17	45	6	5	44
PERTH,	33,208	33,700	22	14	36	35	1	20	13	26	39	15	0	24
TOTAL (SIXTEEN TOWNS)	2,381,593	2,416,200	2075	2067	4142	3865	277	1366	1270	1205	2475	314	182	2343

TABLE II.—BIRTH-RATES, DEATH-RATES, AND MARRIAGE-RATES
in the Principal Towns, AUGUST 1928.

TOWNS.	Birth- Rate per 1000 of Popula- tion.	Illegiti- mate Birth- Rate per 100 Births.	Marriage- Rate per 1000 of Popu- lation.	DEATH-RATES PER 1000 of POPULATION FROM						DEATHS UNDER ONE YEAR OF AGE.	
				All Causes.		Princi- pal Epidemic Diseases.	All Tuber- culosis.	Tuber. of Respiratory System.	All Re- spiratory Diseases.	Number.	* Rate per 1000 Births.
				Regis- tered.	Corr. for Trans- fers.						
GLASGOW,	21·5	7·3	6·8	13·0	12·0	0·7	1·1	0·7	2·0	179	89
EDINBURGH,	16·9	5·2	8·7	11·7	11·0	0·1	0·7	0·6	0·9	35	55
DUNDEE,	18·4	11·0	4·9	13·8	13·4	0·6	1·1	0·8	1·8	25	84
ABERDEEN,	21·2	8·8	10·1	12·4	11·4	0·6	1·3	0·8	1·2	27	97
PAISLEY,	21·9	4·9	5·6	9·3	8·9	0·4	1·7	1·5	0·3	10	66
GREENOCK,	21·8	3·4	5·2	13·1	13·2	0·4	1·0	0·7	1·3	11	69
MOTHERWELL AND WISHAW,	21·4	7·1	3·5	7·4	8·9	0·3	0·7	0·5	0·3	5	39
CLYDEBANK,	19·9	1·2	3·2	6·8	10·9	0·7	0·2	0·2	1·2	5	57
COATBRIDGE,	29·8	4·5	2·4	9·6	11·2	0·8	0·8	0·3	0·8	8	82
DUNFERMLINE,	14·2	2·2	7·7	9·9	7·1	0·6	0·6	0·6	0·3	1	19
KIRKCALDY,	12·9	2·2	3·7	9·8	10·0	0·0	0·9	0·9	1·4	3	48
HAMILTON,	23·9	9·6	4·3	7·2	8·6	0·9	0·6	0·3	0·9	6	73
KILMARNOCK,	27·8	3·4	3·5	11·4	10·1	0·0	1·6	0·9	0·3	5	81
AYR,	17·3	7·3	4·7	12·0	9·8	0·9	0·6	0·3	0·9	7	113
FALKIRK,	18·1	5·5	5·9	14·8	14·5	1·0	2·6	0·3	2·3	7	113
PERTH,	12·6	2·8	7·0	13·7	8·4	0·0	0·7	0·7	0·7	3	59
TOTAL (SIXTEEN TOWNS)	20·2	6·7	6·7	12·1	11·4	0·5	1·0	0·7	1·5	332	77

* Based on the average number of births registered monthly during the past 12 months

TABLE III.—BIRTH-RATE, DEATH-RATE, &c. FOR AUGUST 1928, and for the Corresponding Month of the Preceding Ten Years, in the PRINCIPAL TOWNS.

MONTH.	Birth-Rate.	Illegitimate Birth-rate per 100 Births.	Marriage-Rate.	Death-Rate.	DEATHS FROM									*Infantile Mortality Rate.	Mean Temperature Seven Towns only.
					(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)		
(1)	(2)	(3)	(4)	(5)											
AUG. 1928, .	20·2	6·7	6·7	11·4	1	0	4	2	42	7	51	77	57·5		
AUG. 1927, .	20·3	6·1	7·6	11·4	2	0	45	7	52	20	38	67	58·5		
AUG. 1926, .	20·7	6·2	7·1	10·8	2	0	5	7	16	13	76	61	59·1		
AUG. 1925, .	20·8	6·8	7·4	11·2	3	0	3	14	58	16	101	78	58·4		
AUG. 1924, .	21·6	7·0	6·9	10·8	0	0	20	18	48	21	62	77	56·2		
AUG. 1923, .	23·2	7·1	7·7	10·7	4	0	28	17	31	8	58	58	56·5		
AUG. 1922, .	24·1	6·5	7·5	10·5	0	0	26	4	28	18	35	54	54·8		
AUG. 1921, .	26·2	7·7	8·7	12·8	2	0	6	14	37	13	213	105	56·1		
AUG. 1920, .	27·5	9·0	10·6	11·9	3	13	6	11	26	18	85	69	55·5		
AUG. 1919, .	21·0	9·6	9·9	10·3	5	0	23	8	21	26	104	88	57·6		
AUG. 1918, .	19·8	9·8	8·1	10·7	8	0	10	5	44	23	129	89	58·5		

Figures in columns 5-13 have been corrected for non-resident deaths.

* Per 1000 of the average number of births registered monthly during the past 12 months.

AGGREGATE OF THE SIXTEEN PRINCIPAL TOWNS – August 1928

CAUSES OF DEATH.	Total.	Males.	Females.	Age.											
				-1	1-	5-	10-	15-	25-	35-	45-	55-	65-	75-	85 & over
Cerebral Fever	—	—	—	—	1	—	—	—	—	—	—	—	—	—	—
Phthisis Fever	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Small-pox	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Masles	—	—	—	—	4	2	2	—	—	—	—	—	—	—	—
Scarlet Fever	—	—	—	—	2	2	1	—	—	—	—	—	—	—	—
Hooping-cough	—	—	—	—	42	22	20	19	23	—	—	—	—	—	—
Tuberculosis	—	—	—	—	7	4	3	—	4	2	—	—	—	—	—
Influenza	—	—	—	—	12	7	5	2	1	—	1	—	3	2	1
Cephalitis Lethargica	—	—	—	—	4	2	2	—	—	1	—	1	—	1	—
Rebro-spinal Meningitis	—	—	—	—	9	5	4	5	—	1	2	—	—	—	—
Other Epidemic Diseases	—	—	—	—	13	8	5	2	2	1	—	1	3	—	2
Tuberculosis of Respiratory System	—	—	—	—	144	67	77	1	4	4	8	37	32	22	18
Tuberculosis of Meningitis	—	—	—	—	29	15	14	3	14	5	4	2	—	1	—
Tuberculosis of Intestines and Peritoneum	—	—	—	—	15	6	9	2	4	—	5	2	1	—	1
Other Tuberculous Disease	—	—	—	—	22	9	13	3	3	2	4	5	1	2	—
Malignant Tumours	—	—	—	—	323	136	187	—	—	2	1	7	18	52	93
Pneumatic Fever	—	—	—	—	7	2	5	—	—	3	2	2	—	—	7
Meningitis (not Cer.-spin. or Tuberc.)	—	—	—	—	11	6	5	4	5	—	—	2	—	—	—
Syphillis	—	—	—	—	208	97	111	—	—	—	—	3	16	44	84
Heart Disease	—	—	—	—	293	148	145	—	2	1	2	4	14	20	38
Seas of Arteries	—	—	—	—	24	12	12	—	—	—	—	1	2	1	6
Conchitis	—	—	—	—	97	56	41	14	4	—	1	1	4	6	16
Pneumonia (all forms)	—	—	—	—	177	103	74	54	38	4	2	6	4	17	16
Other Diseases of Respiratory System	—	—	—	—	27	10	17	4	1	—	1	1	2	10	4
Diarrhoea and Enteritis (under 2 years)	—	—	—	—	51	32	19	42	9	—	—	—	—	—	—
Appendicitis	—	—	—	—	22	14	8	1	3	3	1	5	2	1	3
Other Diseases of Liver (not Malignant)	—	—	—	—	25	12	13	—	1	—	—	—	1	3	6
Nephritis, Acute and Chronic	—	—	—	—	78	39	39	—	—	1	3	4	7	12	25
Suppurative Sepsis	—	—	—	—	6	—	6	—	—	—	2	2	2	—	—
Other Dis. & Accidents of Preg. & Part.	—	—	—	—	21	—	21	—	—	4	7	9	1	—	—
Seas of Early Infancy and Malform.	—	—	—	—	146	84	62	145	1	—	—	—	—	—	—
Abortion	—	—	—	—	19	13	6	—	—	—	2	8	7	2	—
Other Violent Deaths	—	—	—	—	98	68	30	2	15	8	2	13	6	11	7
Other Defined Diseases	—	—	—	—	367	186	181	30	9	8	8	11	17	30	40
Causes Ill-defined or Unknown	—	—	—	—	39	27	12	—	3	1	1	2	6	2	8
	2343	1194	1149	332	149	41	39	106	110	169	240	365	448	272	72

DEATHS IN EACH TOWN (corrected for Transfers)—August 1928.

CAUSES OF DEATH.		Total.	Glasgow.	Edinburgh.	Dundee.	Aberdeen.	Paisley.	Greenock.	Motherwell and Wishaw.	Clydebank.
Enteric Fever	...	1	1	...	...	...	...	...	...	...
Typhus Fever	...	...	...	...	...	...	...	...	...	...
Small-pox	...	...	...	...	...	...	...	...	...	...
Measles	...	4	1	...	1	1	1	1	1	1
Scarlet Fever	...	2	1	...	...	...	...	...	...	1
Whooping-cough	...	42	27	2	3	2	3	1	...	2
Diphtheria	...	7	5	...	...	...	...	...	...	...
Influenza	...	12	9	1	...	...	...	1	1	1
Encephalitis Lethargica	...	4	1	...	1	...	...	...	...	...
Cerebro-spinal Meningitis	...	9	5	...	1	...	...	1	1	1
Other Epidemic Diseases	...	13	7	2	...	1	11	5	3	1
Tuberculosis of Respiratory System	...	144	66	21	12	11	11	...	...	...
Tuberculous Meningitis	...	29	11	4	3	2	1	1	...	...
Tuber. of Intestines and Peritoneum	...	15	8	...	1	1	1	...	1	...
Other Tuberculous Disease	...	22	13	1	1	3	...	1	...	...
Malignant Tumours	...	323	133	66	34	27	7	12	5	10
Rheumatic Fever	...	7	3	1	1	1	...	...	2	...
Meningitis (not Cerebro-spinal or Tuber.)	...	11	5	2	...	...	6	8	4	4
Apoplexy	...	208	80	47	14	12	7	11	3	6
Heart Disease	...	293	125	67	21	17	7	...	...	...
Diseases of Arteries	...	24	13	4	1	2	...	1	...	...
Bronchitis	...	97	60	11	11	4	1	1	...	3
Pneumonia (all forms)	...	177	113	14	14	9	1	7	2	2
Other Diseases of Respiratory System	...	27	8	9	2	3	...	1	...	...
Diarrhoea and Enteritis (under 2 years)	...	51	30	...	5	5	...	2	2	...
Appendicitis	...	22	9	4	1	2	...	2	...	...
All Diseases of Liver (not Malignant)	...	25	8	4	2	3	2	2	...	1
Nephritis, Acute and Chronic	...	78	37	13	3	3	2	5	3	1
Puerperal Sepsis	...	6	5	1	...	...	...	...	...	...
Other Diseases and Accidents of Pregnancy and Parturition	...	21	13	2	1	2	1	1	...	3
Dis. of Early Infancy and Malformations	...	146	63	21	14	13	9	6	3	3
Suicide	...	19	3	10	2	2	...	...	...	...
Other Violent Deaths	...	98	42	17	8	8	...	4	6	3
Other Defined Diseases	...	367	163	70	32	19	13	12	14	6
Causes Ill-defined or Unknown	...	39	18	...	9	...	1	3	1	1
All Causes	...	2343	1081	396	198	153	66	90	53	45
AGE AT DEATH.										
Under 1	...	332	179	35	25	27	10	11	5	5
1-4	...	149	81	8	15	6	7	9	6	1
5-9	...	41	21	4	1	3	...	3	...	4
10-14	...	39	21	3	1	1	...	1	2	1
15-24	...	106	49	19	9	5	3	3	2	1
25-34	...	110	61	13	6	7	2	2	4	3
35-44	...	169	85	27	14	11	7	6	5	1
45-54	...	240	110	40	19	13	5	14	8	8
55-64	...	365	154	74	35	26	12	8	5	9
65-74	...	448	182	86	48	23	16	19	10	9
75-84	...	272	111	61	20	24	4	12	5	3
85 and over	...	72	27	26	5	7	...	2	1	...
All Ages	...	2343	1081	396	198	153	66	90	53	45

DEATHS IN EACH TOWN (corrected for Transfers)—August 1928—*continued.*

CAUSES OF DEATH.

		Coatbridge.	Dunfermline.	Kirkcaldy.	Hamilton.	Kilmarnock.	Ayr.	Falkirk.	Perth.
Enteric Fever	...	...	...	...	...	...	...	...	...
Typhus Fever	...	...	...	...	...	...	...	...	...
Small-pox	...	...	...	...	...	...	...	...	...
Measles	...	...	...	...	1	...	1	1	...
Scarlet Fever	...	...	...	...	...	...	...	1	...
Whooping-cough	...	1	2	...	1	...	...	...	...
Diphtheria	...	...	...	...	...	...	...	...	...
Influenza...	...	...	...	...	...	...	...	...	...
Encephalitis Lethargica	...	...	1	1	...	...	...	...	...
Cerebro-spinal Meningitis	...	...	...	...	...	1	...	...	...
Other Epidemic Diseases	...	1	...	3	1	3	1	1	2
Tuberculosis of Respiratory System	...	1	2	...	1	3	1	1	...
Tuberculous Meningitis	...	1	...	...	1	...	1	4	...
Tuber. of Intestines and Peritoneum	...	...	...	...	...	2	...	1	...
Other Tuberculous Disease	...	1	...	...	...	...	...	2	...
Malignant Tumours	...	7	...	7	...	5	3	5	2
Rheumatic Fever	...	...	...	...	...	...	...	...	...
Meningitis (not Cerebro-spinal or Tuber.)	1	...	...	...	...	...	...	...	...
Apoplexy...	...	3	6	3	6	1	1	6	7
Heart Disease	...	5	3	5	5	7	5	4	2
Diseases of Arteries	...	...	1	1	...	1	...	...	...
Bronchitis	...	...	...	1	1	1	2	1	...
Pneumonia (all forms)	...	3	1	3	2	...	1	3	...
Other Diseases of Respiratory System	...	...	...	1	...	...	...	3	...
Diarrhoea and Enteritis (under 2 years)	2	...	...	...	1	...	2	2	...
Appendicitis	...	...	1	1	...	...	...	1	1
All Diseases of Liver (not Malignant)	...	...	1	1	...	1	...	...	...
Nephritis, Acute and Chronic	...	3	2	3	1	...	1	1	...
Puerperal Sepsis	...	...	...	...	...	...	...	...	...
Other Diseases and Accidents of Pregnancy and Parturition	...	...	...	1	...	...	...	...	...
Dis. of Early Infancy and Malformations	5	...	...	1	2	1	1	2	2
Suicide	...	...	...	1	...	1	...	...	...
Other Violent Deaths	...	1	1	1	...	2	3	1	1
Other Defined Diseases...	...	6	1	2	6	6	8	5	4
Causes Ill-defined or Unknown	...	1	1	...	1	...	1	1	1
All Causes	...	42	23	35	30	32	31	44	24
AGE AT DEATH.									
Under 1	...	...	8	1	3	6	2	5	7
1-4	...	...	2	2	1	2	...	2	6
5-9	...	...	2	...	...	...	2	...	1
10-14	...	...	1	2	2	...	2	...	1
15-24	...	...	1	2	3	1	3	1	2
25-34	...	...	2	...	2	2	1	3	2
35-44	...	...	3	1	2	2	2	...	3
45-54	...	...	2	2	2	3	3	6	5
55-64	...	...	6	5	10	2	6	3	7
65-74	...	...	9	5	7	7	7	7	9
75-84	...	...	5	3	3	5	4	3	4
85 and over	...	...	1	...	...	...	...	1	2
All Ages	...	42	23	35	30	32	31	44	24

ABSTRACT OF METEOROLOGICAL OBSERVATIONS

Made at GLASGOW, EDINBURGH, DUNDEE, ABERDEEN, PAISLEY, GREENOCK, and PERTH,

During the Month of AUGUST 1928.

OBSERVERS.	AIR PRESSURE at 9 A.M. and 9 P.M.		AIR TEMPERATURE.		HYGROMETER.		RAIN, AND OTHER FORMS OF PRE- CIPITATION.		WIND DIRECTIONS		Number of Observations at 9 A.M. and 9 P.M.							
			Absolute Maximum and Minimum.		Mean at 9 A.M. and 9 P.M.													
	Mean of Minimum (B.)	Maximum (A.)	Day of Month.	Minimum.	Dry Bulb.	Vapour Pressure.	Depression of Wet Bulb.	Humidity.	N	NE	E	SE	S	SW	W	NW		
GLASGOW, Professor J. R. CURRIE, M.D., The University.	29·650	29·801	64·0	52·4	58·2	+1·1	75	5th	43	1st	57·6	3·3	·386	79	17	2·74 -1·17	0	2 14 6 8 14 8 6 4
EDINBURGH, Professor R. A. SAMPSON, F.R.S., Royal Observatory.	29·350	29·823	63·1	51·1	57·1	+0·4	71	5th	43	2nd	55·9	2·8	·373	82	21	4·86 +1·77	0	3 4 1 10 6 14 9 15
DUNDEE, A. MACRAE, Curator of Cemeteries.	29·625	29·803	63·1	50·6	56·9	-0·4	71	10th	44	1st	55·5	2·2	·373	85	19	5·18 +1·80	0	1 0 32 0 20 1 8 0
ABERDEEN,* The Meteorological Office.	29·693	29·793	61·2	50·5	55·9	-0·4	70	8th	39	2nd	55·7	2·7	·373	83	18	2·81 -0·43	7	7 4 7 13 2 7 6 9
PAISLEY, The Coats Observatory.	29·689	29·806	64·7	51·9	58·3	-0·2	76	5th	42	1st	57·6	2·9	·400	83	21	4·47 +0·56	7	8 5 11 14 5 3 4 5
GREENOCK, J. MACALISTER, M.Inst. C.E., Greenock Waterworks.	29·554	29·808	64·0	52·3	58·1	+0·9	74	5th	45	1st	57·1	3·2	·376	80	21	5·38 -0·06	0	4 14 3 12 9 17 2 1
PERTH, J. RITCHIE, The Museum.	29·781	29·805	65·8	49·8	57·8	+0·5	79	5th	40	1, 2	56·4	2·2	·390	86	20	3·61 +0·24	0	9 3 20 1 25 0 4 0
Means . .	171	29·620	29·806	63·7	51·2	57·5	+0·3	56·5	2·8	·382	83	20	4·08 +0·39	2	5 6 11 8 12 7 6 5

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West Longitude.—Glasgow, 4° 17'; Edinburgh, 3° 11'; Dundee, 2° 57'; Aberdeen, 2° 17'; Paisley, 2° 7'; Greenock, 4° 27'; Perth, 3° 25'; Mean, 3° 36'.* At 7 A.M. and 8 P.M.
† At 9 A.M. only.

For Official Use.

MONTHLY RETURN

OF THE

Births, Deaths, and Marriages

IN

Sixteen of the Principal Towns of Scotland

SEPTEMBER 1928.

Published by Authority of the Registrar-General.

REPORT

During the month of September 1928 there were registered in the Sixteen Principal Towns of Scotland, those burghs which at the date of the 1921 Census had populations of over 30,000, the births of 3669 living children, of whom 1858 were males, and 1811 were females. Compared with the number registered in the previous month, that of males is 217 less, of females 256 less, and that of children of both sexes is 473 less.

The monthly birth-rate in these towns taken collectively was 18·5 per thousand. This rate is 1·7 less than that of the previous month and 1·9 less than the September average.

In the individual towns the monthly birth-rate averaged 18·7 per thousand, and varied from 24·7 per thousand in Hamilton, 23·7 in Coatbridge, and 22·2 in Greenock, to 15·0 in Ayr, 16·1 in Edinburgh, 16·3 in Perth and 16·7 in Dundee. In Glasgow the monthly birth-rate was 19·4, in Falkirk 19·3, in Aberdeen 18·9, in Motherwell and Wishaw 18·8, in Kilmarnock 18·3, in Kirkcaldy 17·8, in Dunfermline 17·6, in Paisley 17·3, and in Clydebank 17·1.

Of the 3669 living children whose births were registered during the month, 3419, or 93·2 per cent., were legitimate, while 250, or 6·8 per cent., were illegitimate. The legitimate children of the month numbered 446 fewer than those of the previous month, and the illegitimate 27 fewer. The illegitimate rate of the month is 0·1 more than that of the previous month. In the individual towns the illegitimate rate of the month varied from 11·4 per cent. in Aberdeen, 10·9 in Ayr, 10·0 in Kirkcaldy, and 9·2 in Dundee, to 2·2 in Perth, 2·4 in Paisley, 3·5 in Falkirk, and 3·6 in Dunfermline. In Glasgow this rate was 6·0, and in Edinburgh 8·4.

Marriages registered in these towns during the month numbered 1826, and equalled a marriage-rate of 9·2 per thousand. This number is 460 more than in the previous month. This rate is 2·5 more than that of the previous month, and 0·3 more than the September average. In the individual towns the monthly marriage-rate averaged 8·1, and varied from 12·3 in Perth, 11·1 in Edinburgh, 10·5 in Falkirk, and 10·3 in Aberdeen, to 4·4 in Coatbridge, 5·0 in Kirkcaldy, 5·8 in Clydebank, and 5·9 in Hamilton. In Glasgow this rate was 9·7, and in Dundee 7·0.

NOTE.—The averages used for comparison are the means of the same rates in the corresponding months of the three preceding years.

Deaths registered in these towns during the month in all numbered 2375, which is 100 fewer than in the previous month. Deducting the deaths of persons with usual residence in Scotland but outwith the town of registration, and adding those of persons dying elsewhere in Scotland but with usual residence in one or other of these towns, the corrected number is found to be 2223, and to include the deaths of 1155 males and 1068 females. The corrected number is 120 less than in the previous month, that of male deaths being 39 less, and that of female deaths being 81 less.

The monthly death-rate in these towns taken collectively and based on the corrected number of deaths was 11.2 per thousand, which rate is 0.2 less than that of the previous month, and 0.3 less than the September average. In the individual towns the monthly death-rate averaged 10.6, and varied from 14.0 in Coatbridge, 13.7 in Perth, 12.8 in Dundee, and 12.6 in Greenock, to 4.2 in Kirkcaldy, 8.5 in Ayr, and 9.3 in Paisley. In Glasgow the monthly death-rate was 11.7, in Aberdeen 10.9, in Edinburgh 10.8, in Clydebank 10.5, in Kilmarnock 10.5, in Dunfermline 10.2, in Motherwell and Wishaw 9.9, in Hamilton 9.8, and in Falkirk 9.8.

Deaths of children of less than one year old numbered 332, and equalled an infantile mortality rate of 81 per thousand of the average number of births registered monthly in these towns during the preceding twelve months. These deaths are of the same number as in the previous month. This rate is 4 more than that of the previous month, but 2 less than the September average. In the individual towns the infantile mortality rate averaged 72, and varied from 114 in Hamilton, 112 in Motherwell and Wishaw, 95 in Coatbridge, and 94 in Glasgow, to 0 in Kirkcaldy, 17 in Falkirk, 48 in Aberdeen and 61 in Edinburgh. In Ayr this rate was 83 per thousand, in Perth 80, in Greenock 78, in Kilmarnock 78, in Dunfermline 77, in Paisley 76, in Dundee 74, and in Clydebank 71.

Deaths from the principal epidemic diseases numbered 119, and equalled a death-rate from these causes of 0.6 per thousand. These deaths collectively numbered 11 more than in the previous month, but 22 fewer than the September average. They included 1 death from enteric fever, 1 from measles, 3 from scarlet fever, 31 from whooping-cough, 19 from diphtheria, and 64 from the diarrhoeas of childhood. Compared with the returns of the previous month, deaths from the diarrhoeas of childhood numbered 13 more, from diphtheria 12 more, and from scarlet fever 1 more, but those from enteric fever are of the same amount, while those from measles are 3 fewer, and from whooping-cough 12 fewer.

Deaths from influenza in all numbered 16, which is 4 more than in the previous month. In June these deaths numbered 16, in July 8, and in August 12.

Deaths from respiratory diseases other than phthisis, but exclusive of those associated with influenza, numbered 271, and equalled a death-rate of 1.4 per thousand. These deaths numbered 30 fewer than in the previous month. This death-rate is 0.1 less than that of the previous month, but is the same as the September average.

Deaths from all forms of tuberculosis numbered 192, of which 143 were ascribed to tuberculosis of the respiratory system. The former number is 18 less than that of the previous month, but 15 more than the September average. The latter number is 1 less than that of the previous month, but 22 more than the September average.

METEOROLOGICAL NOTES supplied by the Meteorological Office, Edinburgh.

SEPTEMBER 1928.

Mean barometric pressure, 30·056 in.; greater than the average of 1881-1915 by 0·108 in.

Mean temperature, 52°·8; less by 0°·8.

Mean daily range of temperature, 14°·0; greater by 0°·6.

Rain, depth in inches, 3·18; greater by 0·44 in.

Wind, direction of: a 3 days' excess of south-westerly winds.

After anticyclonic conditions for a day or two, a south-westerly type of weather prevailed until 10th, and, later, secondaries to a main depression over Iceland exerted their influence on 14th and from 16th to 19th. By 20th an anticyclone which had maintained very stable conditions over England had moved beyond the north of Scotland, and a well-defined gradient for northerly winds was established. The mean pressure of the month was the highest recorded in September since 1912, and at Edinburgh, at mean sea-level, the extremes were 30·50 in. on 22nd and 29·69 in. on 5th.

During the first two weeks temperature was, as a rule, above the average, with highest readings very widely on 13th (72° at North Berwick and Ruthwell); but from 15th onwards the weather was at times extremely cold for the time of year, notably around 23rd and during the last two or three days of the month, with ground frost in many districts. The lowest readings recorded were 23° at Braemar on 29th and 24° at West Linton on 23rd. At Edinburgh the mean temperature of the last week was nearly 10° below that of the first.

In southern and some extreme north-western and northern districts rainfall was below the average; but in general there was an excess, moderate as a rule but exceeding 50 per cent. at e.g. Blair Atholl and Grantown-on-Spey. Rain commenced in west on 2nd and gradually spread to nearly all districts, with an almost continuous fall in some areas on 4th and 5th and a two days' aggregate approaching 2 in. Western districts had again heavy falls from 7th to 9th or 10th, with moderate amounts elsewhere. By 11th fine conditions had become general, but there were trifling falls on 14th, and in the west some heavy falls between 16th and 19th. From 20th onwards some districts were rainless, or nearly so; but in others moderate rain occurred on 23rd and 24th, and on 27th.

Wind force was high around 7th and 19th; on 28th a gale was experienced in the Moray Firth; and at the end of the month, with persistent northerly or north-easterly winds, high seas were running along the east coast. By 5th or 6th northern rivers, notably the Spey in its lower reaches, were in high flood. On 28th snow fell on the Cairngorms and other northern mountains.

A thunderstorm was fairly general in the west on 9th, and in and around the Lothians on 19th. There was sporadic thunder on 10th, 12th, 13th and 18th.

In north and east sunshine aggregates were much above the average, and at Edinburgh the month was the sunniest September since 1906; but in the west the excess was but slight. In the Firth of Clyde dense fog occurred on 22nd and 23rd.

A brilliant display of aurora was widely observed on 18th; and at Aberdeen aurora was noted on 7th, 8th, 20th, 21st and 23rd also.

NOTE.—The mean values refer to those of the Principal Towns named in meteorological Table on p. 72.

Abstract.

TABLE I.—ABSTRACT OF BIRTHS, DEATHS, AND MARRIAGES
in the Principal Towns, SEPTEMBER 1928.

TOWNS.	POPULATION.		BIRTHS.						DEATHS.					
	Census 1921.	Estimated to middle of 1928	Males.	Females.	Total.	Legiti- mate.	Illegiti- mate.	MARRIAGES.	REGISTERED	TRANSFERS	Total Corrected.			
			Males.	Females.	Total.	Legiti- mate.	Illegiti- mate.	Males.	Females.	Total.				
GLASGOW,	1,051,518	1,060,500	887	801	1688	1586	102	841	604	499	1103	123	36	1016
EDINBURGH,	420,264	426,300	266	295	561	514	47	387	206	225	431	67	15	379
DUNDEE,	168,315	174,800	116	124	240	218	22	101	83	109	192	14	5	183
ABERDEEN	158,963	158,500	118	127	245	217	28	134	76	72	148	32	25	141
PAISLEY,	84,837	87,900	58	67	125	122	3	49	50	27	77	13	3	67
GREENOCK,	81,123	80,200	66	80	146	139	7	53	46	41	87	7	3	83
MOTHERWELL AND WISHAW,	68,869	70,100	45	63	108	102	6	37	29	23	52	1	6	57
CLYDEBANK,	46,601	48,600	37	31	68	62	6	23	11	12	23	1	20	42
COATBRIDGE,	43,919	44,300	50	36	86	81	5	16	24	21	45	2	8	51
DUNFERMLINE,	39,899	38,200	28	27	55	53	2	29	17	16	33	4	3	32
KIRKCALDY,	39,591	41,100	31	29	60	54	6	17	5	8	13	0	1	14
HAMILTON,	39,504	41,100	52	31	83	79	4	20	16	11	27	1	7	33
KILMARNOCK,	35,911	37,400	30	26	56	52	4	24	14	17	31	5	6	32
AYR,	35,763	37,500	24	22	46	41	5	30	20	17	37	15	4	26
FALKIRK,	33,308	36,000	25	32	57	55	2	31	15	15	30	4	3	29
PERTH,	33,208	33,700	25	20	45	44	1	34	20	26	46	9	1	38
TOTAL . . . (SIXTEEN TOWNS)	2,381,593	2,416,200	1858	1811	3669	3419	250	1826	1236	1189	2375	298	146	2223

TABLE II.—BIRTH-RATES, DEATH-RATES, AND MARRIAGE-RATES
in the Principal Towns, SEPTEMBER 1928.

TOWNS.	Birth- Rate per 1000 of Popu- lation.	Illegiti- mate Birth- Rate per 100 Births.	Marriage- Rate per 1000 of Popu- lation.	DEATH-RATES PER 1000 of POPULATION FROM						DEATHS UNDER ONE YEAR OF AGE.				
				All Causes.		Regis- tered.	Corr. for Trans- fers.	Princi- pal Epidemic Diseases.	All Tuber- culosis.	Tuber- culosis of Respiratory System.	All Re- spiratory Diseases.	Number.	* Rate per 1000 Births.	
				Regis- tered.	Corr. for Trans- fers.									
GLASGOW,	19·4	6·0	9·7	12·7	11·7	0·8	1·0	0·8	1·2	1·0	0·9	1·7	181	94
EDINBURGH,	16·1	8·4	11·1	12·3	10·8	0·3	1·0	0·8	1·0	0·8	1·1	37	61	74
DUNDEE,	16·7	9·2	7·0	13·4	12·8	0·4	0·8	0·6	1·0	0·8	1·5	21	21	48
ABERDEEN,	18·9	11·4	10·3	11·4	10·9	0·2	1·0	0·8	1·4	0·8	0·8	13	11	76
PAISLEY,	17·3	2·4	6·8	10·7	9·3	0·7	1·8	1·4	0·5	0·3	2·0	12	12	78
GREENOCK,	22·2	4·8	8·1	13·2	12·6	1·1	0·5	0·3	1·1	0·0	0·6	0·6	0	0
MOTHERWELL AND WISHAW,	18·8	5·6	6·4	9·0	9·9	0·2	1·2	1·0	0·9	0·8	1·0	14	6	112
CLYDEBANK,	17·1	8·8	5·8	5·8	10·5	0·3	1·0	0·8	1·0	0·8	1·0	9	6	71
COATBRIDGE,	23·7	5·8	4·4	12·4	14·0	1·7	1·4	0·6	1·7	0·6	1·9	9	9	95
DUNFERMLINE,	17·6	3·6	9·3	10·6	10·2	0·3	0·0	0·0	0·0	0·0	0·6	4	4	77
KIRKCALDY,	17·8	10·0	5·0	3·9	4·2	0·0	0·0	0·0	0·0	0·0	0·9	9	9	114
HAMILTON,	24·7	4·8	5·9	8·0	9·8	0·9	0·6	0·6	0·6	0·6	0·9	5	5	78
KILMARNOCK,	18·3	7·1	7·8	10·1	10·5	0·3	0·7	0·7	0·7	0·3	0·3	1·0	5	83
AYR,	15·0	10·9	9·8	12·0	8·5	1·0	0·3	0·3	1·0	0·3	1·7	1	1	17
FALKIRK,	19·3	3·5	10·5	10·2	9·8	0·3	0·4	0·4	0·4	0·4	1·4	4	4	80
PERTH,	16·3	2·2	12·3	16·6	13·7	0·0	1·0	0·7	1·4	1·4	332	81	81	
TOTAL . . . (SIXTEEN TOWNS)	18·5	6·8	9·2	12·0	11·2	0·6	1·0	0·7	1·4	1·4	332	81		

* Based on the average number of births registered monthly during the past 12 months

TABLE III.—BIRTH-RATE, DEATH-RATE, &c. FOR SEPTEMBER 1928, AND FOR THE CORRESPONDING MONTH OF THE PRECEDING TEN YEARS, IN THE PRINCIPAL TOWNS.

Month.	Birth-Rate.	Illegitimate Birth-rate per 100 Births.	Marriage-Rate.	Death-Rate.	DEATHS FROM									* Infantile Mortality Rate.	Mean Temperature Seven Towns only).
					(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)		
(1)	(2)	(3)	(4)	(5)											
SEPT. 1928.	18.5	6.8	9.2	11.2	1	0	1	3	31	19	64	81	52°.8		
SEPT. 1927.	20.0	6.9	8.9	11.9	3	0	18	5	34	22	59	81	52°.1		
SEPT. 1926.	20.2	5.7	8.9	11.1	5	0	3	14	10	20	97	80	54°.6		
SEPT. 1925.	21.1	7.3	8.8	11.3	3	0	0	14	24	14	77	79	51°.2		
SEPT. 1924.	21.4	5.9	9.2	12.0	1	0	23	26	46	27	76	79	53°.0		
SEPT. 1923.	22.2	6.6	10.0	11.0	0	0	31	20	26	15	57	68	52°.3		
SEPT. 1922.	23.7	7.7	9.5	10.9	2	0	15	9	32	13	43	65	52°.1		
SEPT. 1921.	27.2	7.1	10.5	12.2	5	0	3	4	23	24	151	93	55°.3		
SEPT. 1920.	26.6	7.5	12.8	12.1	4	12	5	10	10	24	96	73	53°.5		
SEPT. 1919.	24.0	8.4	12.9	11.6	5	0	18	11	21	24	134	113	53°.1		
SEPT. 1918.	17.8	9.0	10.3	11.9	8	0	11	8	32	39	102	92	49°.6		

Figures in columns 5-13 have been corrected for non-resident deaths.

* Per 1000 of the average number of births registered monthly during the past 12 months.

AGGREGATE OF THE SIXTEEN PRINCIPAL TOWNS - September 1928

CAUSES OF DEATH.	Total.	Males.	Females.	Age.											
				-1	1-	5-	10-	15-	25-	35-	45-	55-	65-	75-	85 & over.
Enteric Fever	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Typhus Fever	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Small-pox	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mumps	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Measles	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Scarlet Fever	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Whooping-cough	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Diphtheria	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Influenza	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Encephalitis Lethargica	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cerebro-spinal Meningitis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other Epidemic Diseases	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tuberculosis of Respiratory System	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tuberculous Meningitis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tuberculosis of Intestines and Peritoneum	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other Tuberculous Disease	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Malignant Tumours	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rheumatic Fever	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Meningitis (not Cer. spin. or Tuberc.)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Poplexy	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Heart Disease	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Diseases of Arteries	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bronchitis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pneumonia (all forms)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other Diseases of Respiratory System	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Diarrhoea and Enteritis (under 2 years)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Appendicitis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
All Diseases of Liver (not Malignant)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nephritis, Acute and Chronic	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Puerperal Sepsis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other Dis. & Accidents of Preg. & Part.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Diseases of Early Infancy and Malform.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Suicide	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other Violent Deaths	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other Defined Diseases	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Causes Ill-defined or Unknown	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2223	1155	1068	332	122	49	35	95	130	145	217	330	440	272	55

* Including 1 of unstated age.

Causes of Death.

DEATHS IN EACH TOWN (corrected for Transfers)—September 1928.

CAUSES OF DEATH.		Total.	Glasgow.	Edinburgh.	Dundee.	Aberdeen.	Paisley.	Greenock.	Motherwell and Wishaw.	Clydebank.
Enteric Fever	...	1	...	...	...	...	1	...	...	...
Typhus Fever	...	...	...	...	...	...	...	...	...	...
Small-pox	...	...	...	...	...	...	...	...	...	...
Measles	...	1	...	...	...	1	...	...	...	...
Scarlet Fever	...	3	3	...	...	1	2	2	2	1
Whooping-cough	...	31	17	3	2	1	2	2	2	1
Diphtheria	...	19	9	4	3	1	1	2	2	1
Influenza	...	16	9	2	1	...	2	...	1	...
Encephalitis Lethargica	...	6	1	2	...	...	...	1	...	...
Cerebro-spinal Meningitis	...	9	7	...	...	1	...	1	...	2
Other Epidemic Diseases	...	13	6	...	1	1	...	1	...	2
Tuberculosis of Respiratory System	...	143	68	27	8	10	10	2	6	3
Tuberculous Meningitis	...	18	8	4	3	...	1	1	...	...
Tuber. of Intestines and Peritoneum	...	11	4	2	...	1	1	...	...	1
Other Tuberculous Disease	...	20	11	2	1	2	1	...	1	...
Malignant Tumours	...	253	100	56	23	17	6	12	5	4
Rheumatic Fever	...	8	5	1	...	1	...	1	...	...
Meningitis (not Cerebro-spinal or Tuber.)	...	18	5	4	...	1	1	...	1	2
Apoplexy	...	213	88	46	20	19	8	7	3	1
Heart Disease	...	270	115	47	33	22	6	8	4	2
Diseases of Arteries	...	30	11	4	1	6	...	...	...	1
Bronchitis	...	75	46	10	5	...	1	4	2	1
Pneumonia (all forms)	...	171	92	20	14	10	5	7	3	1
Other Diseases of Respiratory System	...	25	7	8	2	1	...	2	...	2
Diarrhoea and Enteritis (under 2 years)	...	64	41	5	1	...	1	3	1	...
Appendicitis	...	15	3	1	1	1	2	4	...	...
All Diseases of Liver (not Malignant)	...	24	8	5	3	...	1	1	2	1
Nephritis, Acute and Chronic	...	60	31	13	4	...	...	2	...	4
Puerperal Sepsis	...	8	4	1	...	1	...	...	...	1
Other Diseases and Accidents of Pregnancy and Parturition	...	22	11	5	1	2	...	...	1	...
Dis. of Early Infancy and Malformations	...	149	68	21	11	7	4	9	11	5
Suicide	...	17	6	4	3	...	...	2	...	...
Other Violent Deaths	...	95	43	14	6	8	5	2	2	1
Other Defined Diseases	...	378	171	65	32	28	7	10	13	7
Causes Ill-defined or Unknown	...	37	18	3	4	1	1	...	1	2
All Causes	...	2223	1016	379	183	141	67	83	57	42
AGE AT DEATH.										
Under 1	...	332	181	37	21	13	11	12	14	6
1-4	...	122	60	14	7	7	5	10	1	2
5-9	...	49	21	11	5	...	3	4	...	...
10-14	...	35	17	4	5	...	3	1	...	...
15-24	...	95	46	15	3	7	7	2	6	1
25-34	...	130	54	22	10	8	4	4	3	7
35-44	...	145	76	26	10	7	2	3	3	2
45-54	...	217	112	35	16	11	5	9	6	3
55-64	...	330	151	56	37	15	4	11	8	7
65-74	...	440	182	90	36	38	14	17	11	7
75-84	...	272	99	58	28	27	5	8	3	6
85 and over	...	55	17	11	5	8	4	2	2	1
All Ages	...	*2223	1016	379	183	141	67	83	57	42

* Including 1 of unstated age.

DEATHS IN EACH TOWN (corrected for Transfers)—September 1928—*continued.*

CAUSES OF DEATH.

		Coatbridge.	Dunfermline.	Kirkcaldy.	Hamilton.	Kilmarnock.	Ayr.	Falkirk.	Perth.
Enteric Fever	...	...	...	...	...	...	...	...	...
Typhus Fever	...	...	...	...	...	...	...	...	...
Small-pox	...	...	...	...	...	...	...	...	...
Measles	...	...	...	...	...	...	...	...	...
Scarlet Fever	...	...	...	...	...	...	...	...	...
Whooping-cough	...	2	...	...	1	...	...	...	...
Diphtheria	...	...	...	...	...	...	1	...	...
Influenza...	...	...	...	...	...	...	...	...	...
Encephalitis Lethargica	...	2	...	...	...	...	...	...	1
Cerebro-spinal Meningitis	...	...	...	...	...	1	...	...	...
Other Epidemic Diseases	...	...	...	...	...	1	1	...	...
Tuberculosis of Respiratory System	...	2	...	...	2	2	1	1	1
Tuberculous Meningitis	...	...	...	...	...	...	...	1	...
Tuber. of Intestines and Peritoneum	...	1	...	...	...	...	...	1	...
Other Tuberculous Disease	...	2	...	...	...	...	...	...	...
Malignant Tumours	...	5	7	2	3	4	3	4	2
Rheumatic Fever	...	...	...	...	...	...	...	...	...
Meningitis (not Cerebro-spinal or Tuber.)	...	2	...	...	...	...	...	1	1
Apoplexy...	...	2	4	...	4	5	4	1	1
Heart Disease	...	5	5	2	4	5	1	5	6
Diseases of Arteries	...	...	...	1	...	1	...	1	4
Bronchitis	...	3	...	1	1	...	...	1	...
Pneumonia (all forms)	...	4	2	2	2	1	3	2	3
Other Diseases of Respiratory System	...	...	...	...	...	...	...	...	1
Diarrhoea and Entiritis (under 2 years)	...	4	1	...	2	1	3	1	...
Appendicitis	...	2	1	...	...	...	...	...	...
All Diseases of Liver (not Malignant)	...	1	...	...	...	...	...	...	2
Nephritis, Acute and Chronic	...	1	1	...	...	1	...	1	2
Puerperal Sepsis	...	...	...	...	...	...	...	1	...
Other Diseases and Accidents of Pregnancy and Parturition	...	...	1	1	...	...	...	...	...
Dis. of Early Infancy and Malformations	...	2	2	...	5	1	2	...	1
Suicide	...	...	1	...	...	...	...	...	1
Other Violent Deaths	...	3	...	2	3	2	1	...	3
Other Defined Diseases...	...	7	6	3	5	5	5	6	8
Causes Ill-defined or Unknown	...	2	...	...	1	2	1	...	1
All Causes	...	51	32	14	33	32	26	29	38
AGE AT DEATH.									
Under 1	...	...	9	4	...	9	5	5	1
1-4	...	...	6	1	2	2	...	1	3
5-9	...	...	2	...	1	1	...	...	1
10-14	...	...	3	...	...	...	1	...	1
15-24	...	...	2	1	...	...	...	2	2
25-34	...	...	2	3	1	3	4	1	4
35-44	...	...	2	4	1	2	1	2	2
45-54	...	...	3	4	1	2	1	1	6
55-64	...	...	7	6	6	5	5	4	5
65-74	...	...	6	2	2	6	10	6	3
75-84	...	...	8	7	1	3	5	4	7
85 and over	...	...	1	...	...	...	...	...	4
All Ages	...	51	32	14	33	32	26	29	*38

* Including 1 of unstated age.

ABSTRACT OF METEOROLOGICAL OBSERVATIONS

Made at GLASGOW, EDINBURGH, DUNDEE, ABERDEEN, PAISLEY, GREENOCK, and PERTH,

During the Month of SEPTEMBER 1928.

OBSERVERS.	AIR PRESSURE at 9 A.M. and 9 P.M.		AIR TEMPERATURE.		HYGROMETER.		RAIN, AND OTHER FORMS OF PRE- CIPITATION.		WIND DIRECTIONS																
	Mean of at Sea-Level and 32°.		Absolute Maximum and Minimum.		Mean at 9 A.M. and 9 P.M.		Number of Days.		Number of Observations at 9 A.M. and 9 P.M.																
	Mean of at Station-level and 32°.	Height of Barometer above Sea-level.	Maximum.	Minimum.	Dry Bulb.	Vapour Pressure.	Total Fall.	Difference from Average.	N	NE	E	SE	S	SW	W	NW	Calm or Variable.								
GLASGOW, Professor J. R. CURRIE, M.D., The University.	29.908	30.061	59.4	46.5	52.9	-0.6	69	13th	33	29th	52.6	3.1	.320	79	14	2.80 -0.18	2	6	2	16	16	4	10		
EDINBURGH, Professor R. A. SAMPSON, F.R.S., Royal Observatory.	29.596	30.076	59.1	47.4	53.3	0.0	70	13th	35	29th	52.4	3.0	.310	79	15	2.17 +0.29	3	4	1	0	3	13	11	7	18
DUNDEE, A. MACRAE, Curator of Cemeteries.	29.861	30.040	59.7	44.8	52.3	-1.2	69	8th	32	29th	51.5	2.2	.316	85	13	2.52 +0.44	0	8	0	4	0	40	0	8	0
ABERDEEN,* The Meteorological Office.	29.922	30.023	58.7	45.7	52.2	-0.8	67	12, 13	35	29th	50.9	2.5	.310	83	19	2.66 +0.44	6	1	1	17	4	10	11	11	9
PAISLEY, The Coats Observatory.	29.953	30.071	60.0	46.2	53.1	-1.8	69	13th	32	29th	52.7	2.5	.336	83	16	3.44 +0.43	5	2	4	11	10	14	5	1	8
GREENOCK,† J. MACALISTER, M.Inst. C.E., Greenock Waterworks.	29.817	30.072	59.6	47.7	53.7	-0.1	68	13th	36	29th	52.7	2.9	.326	80	16	5.79 +1.04	0	8	9	1	15	9	14	2	2
PERTH,† J. RITCHIE, The Museum.	29.926	30.050	61.8	42.3	52.1	-1.2	70	8th	25	29th	50.3	2.1	.306	85	14	2.84 +0.61	0	9	0	10	3	30	1	7	0
Means . .	171	29.855	30.056	59.8	45.8	52.8	-0.8	51.4	2.6	.318	82	16	3.18 +0.44	2	5	3	4	7	18	8	6	7

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North Latitude.—Glasgow, 55° 52'; Edinburgh, 55° 55'; Dundee, 56° 28'; Aberdeen, 57° 9'; Paisley, 55° 51'; Greenock, 55° 51'; Perth, 56° 23'; Mean, 56° 14'.
West Longitude.—Glasgow, 4° 17'; Edinburgh, 3° 11'; Dundee, 2° 57'; Aberdeen, 2° 7'; Paisley, 3° 25'; Greenock, 4° 46'; Perth, 3° 36'; Mean, 3° 36'.* At 7 A.M. and 6 P.M.
† At 9 A.M. only.

For Official Use.

MONTHLY RETURN
OF THE
Births, Deaths, and Marriages
IN
Sixteen of the Principal Towns of Scotland
OCTOBER 1928.

Published by Authority of the Registrar-General.

REPORT

During the month of October 1928 there were registered in the Sixteen Principal Towns of Scotland, those burghs which at the date of the 1921 Census had populations of over 30,000, the births of 4315 living children, of whom 2244 were males, and 2071 were females. Compared with the number registered in the previous month, that of males is 386 more, of females 260 more, and that of children of both sexes is 646 more.

The monthly birth-rate in these towns taken collectively was 21·1 per thousand. This rate is 2·6 more than that of the previous month, but is 0·3 less than the October average.

In the individual towns the monthly birth-rate averaged 21·1, and varied from 30·6 in Coatbridge, 25·5 in Clydebank, 23·7 in Greenock, and 22·8 in Dundee, to 14·9 in Dunfermline, 17·4 in Edinburgh, 17·6 in Ayr, and 17·7 in Falkirk. In Aberdeen the monthly birth-rate was 22·3, in Glasgow 21·9, in Hamilton 21·8, in Kilmarnock 21·5, in Motherwell and Wishaw 21·4, in Paisley 20·7, in Kirkcaldy 18·9, and in Perth 18·6.

Of the 4315 living children whose births were registered during the month, 4059, or 94·1 per cent., were legitimate, while 256, or 5·9 per cent., were illegitimate. The legitimate children of the month numbered 640 more than those of the previous month, and the illegitimate children 6 more. The illegitimate rate of the month is 0·9 less than that of the previous month. In the individual towns the illegitimate rate of the month varied from 8·6 per cent. in Clydebank, 7·7 in Aberdeen, 7·5 in Perth, 7·4 in Kilmarnock, and 7·1 in Ayr, to 1·9 in Falkirk, 3·1 in Greenock, 4·2 in Dunfermline, and 4·5 in Paisley and in Kirkcaldy. In Glasgow this rate was 5·9 per cent., in Edinburgh 6·2, and in Dundee 5·6.

Marriages registered in these towns during the month numbered 1651, and equalled a marriage-rate of 8·1 per thousand. This number is 175 less than in the previous month. This rate is 1·1 less than that of the previous month, but 1·1 more than the October average. In the individual towns the monthly marriage-rate averaged 6·9, and varied from 9·1 in Ayr and in Perth, and 9·0 in

NOTE. The averages used for comparison are the means of the same rates in the corresponding months of the three preceding years.

Edinburgh, to 4·4 in Clydebank, 4·6 in Dunfermline, and 4·7 in Motherwell and Wishaw. In Glasgow this rate was 8·5, in Dundee 8·8, and in Aberdeen 8·9.

Deaths registered in these towns during the month in all numbered 2908, which is 533 more than in the previous month. Deducting the deaths of persons with usual residence in Scotland but outwith the town of registration, and adding those of persons dying elsewhere in Scotland but with usual residence in one or other of these towns, the corrected number is found to be 2690, and to include the deaths of 1388 males and 1302 females. The corrected number is 467 more than that of the previous month, that of males being 233 more, and that of females 234 more.

The monthly death-rate of these towns taken collectively and based on the corrected number of deaths was 13·1 per thousand, which rate is 1·9 more than that of the previous month, and 0·6 more than the October average. In the individual towns the monthly death-rate averaged 11·6, and varied from 14·1 in Glasgow, 13·7 in Edinburgh, 13·4 in Dundee, and 13·2 in Paisley, to 8·3 in Clydebank and in Kirkcaldy, 9·4 in Ayr, and 9·6 in Coatbridge. In Hamilton this rate was 12·9, in Motherwell and Wishaw 12·3, in Kilmarnock 12·3, in Aberdeen 12·2, in Greenock 12·2, in Perth 11·6, in Dunfermline 10·8, and in Falkirk 10·8.

Deaths of children of less than one year old numbered 350, and equalled an infantile mortality rate of 82 per thousand of the average number of births registered monthly in these towns during the preceding twelve months. These deaths number 18 more than in the previous month. This rate is 1 more than that of the previous month, but 7 less than the October average. In the individual towns the infantile mortality rate of the month averaged 70, and varied from 104 in Kilmarnock, 98 in Glasgow, 97 in Ayr, and 93 in Aberdeen, to 37 in Hamilton, 38 in Perth, 40 in Coatbridge, and 48 in Kirkcaldy. In Motherwell and Wishaw this rate was 85, in Dunfermline 75, in Greenock 75, in Paisley 72, in Dundee 67, in Clydebank 67, in Falkirk 65, and in Edinburgh 56.

Deaths from the principal epidemic diseases numbered 107, and equalled a death-rate of 0·5 per thousand. These deaths collectively numbered 12 fewer than in the previous month, and 23 fewer than the October average. They included 2 deaths from measles, 3 from scarlet fever, 13 from whooping-cough, 16 from diphtheria, and 73 from the diarrhoeas of childhood. No deaths from enteric fever were registered during the month. Compared with the number in the previous month deaths from whooping-cough are 18 fewer, and from diphtheria 3 fewer, but those from scarlet fever are of the same number, while those from measles are 1 more, and from the diarrhoeas of childhood 9 more.

Deaths from influenza in all numbered 45, which is 29 more than in the previous month. In July these deaths numbered 8, in August 12, and in September 16.

Deaths from respiratory diseases other than phthisis, but exclusive of those associated with influenza, numbered 479, and equalled a death-rate of 2·3 per thousand. These deaths numbered 208 more than in the previous month. This death-rate is 0·9 more than that of the previous month, and 0·3 more than the October average.

Deaths from all forms of tuberculosis numbered 215, of which 168 were attributed to tuberculosis of the respiratory system, the former number being 23 more than that of the previous month, and 20 more than the October average. The latter number is 25 more than that of the previous month, and 24 more than the October average.

METEOROLOGICAL NOTES supplied by the Meteorological Office, Edinburgh.

OCTOBER 1928.

Mean barometric pressure, 29·674 in.; less than the average of 1881-1915 by 0·174 in.

Mean temperature, 48°·0; greater by 0°·7.

Mean daily range of temperature, 11°·0; less by 0°·5.

Rain, depth in inches, 5·37; greater by 1·98 in.

Wind, direction of: a 7 days' excess of southerly and south-westerly winds.

Conditions were anticyclonic at first; but by 4th a deep depression over the Atlantic began to spread eastwards, and affected our area for several days. After an improvement around 12th and 13th, very unsettled conditions became general, with only temporary improvements until the end of the month. On 19th-20th, a deep depression moved on a north easterly track, with very stormy weather. The mean pressure of the month was the lowest recorded in October since 1924, and at Edinburgh, at mean sea-level, the extremes were 30·31 in. on 3rd and 28·77 in. on 20th. At Stornoway on the morning of 20th pressure fell to 28·30 in.

The last two or three days of September had been extremely cold for the time of year, and very low minimum temperatures were registered on 1st October (21° at Eskdalemuir and at West Linton). By 7th the weather had become decidedly mild, and thereafter temperature was as a rule above the average, though the days were somewhat cold around 11th and 21st and on 31st. Highest readings occurred in most districts on 8th (67° at Smeaton).

In some north-eastern and extreme northern districts, rainfall was below the average; but in general there was an excess, and this was very large in south and west, where some areas had appreciably more than twice the average. At Rothesay, the total of 10·31 in. was the heaviest fall in any month since December 1919 (11·10 in.), and during the last 120 years a heavier rainfall has been recorded in October only in 1917 (10·50 in.). After some fine days, rain was general from 5th to 10th or 11th, with some heavy falls, chiefly in southern districts, on 7th, 9th and 11th—on 11th, 2·54 in. at Monreith in Wigtownshire. On 16th heavy rain commenced in the west, and on 18th and 19th very heavy falls were widespread with a two-days' aggregate exceeding 3 inches over wide areas; at Kinlochquoich as much as 3 inches on 18th followed by 1·50 in. on 19th; and at Corrie, Arran, 2·53 in. on 19th. There were further rather heavy falls on 20th and 21st, whilst the period from 23rd to 30th was almost continuously wet in some western districts, with many daily falls exceeding 1 inch, and at Glenquoich as much as 2·15 in. on 24th. Northern and eastern coastal districts were relatively free from really heavy falls.

The weather was at times extremely stormy, and on 20th-21st a south-westerly gale of exceptional severity was general, with loss of life in a wreck on the Wigtownshire coast and a wind velocity in a gust of 78 miles per hour at Edinburgh. With heavy rains, flooding occurred at times.

Thunder occurred here and there on 6th, 8th, 9th, 18th, 20th, 21st and 24th.

Sunshine aggregates were above the average in the extreme north, and varied elsewhere.

Aurora was observed at Lerwick on as many as 14 occasions. A display on 25th was fairly widely observed, and others on 18th and 20th were seen as far south as Eskdalemuir.

NOTE.—The mean values refer to those of the Principal Towns named in meteorological Table on p. 80.

TABLE I.—ABSTRACT OF BIRTHS, DEATHS, AND MARRIAGES
in the Principal Towns, OCTOBER 1928.

TOWNS.	POPULATION.		BIRTHS.					MARRIAGES.	DEATHS.					
	Census 1921.	Estimated to middle of 1928	Males.	Females.	Total.	Legiti-mate.	Illegiti-mate.		REGISTERED	TRANSFERS	Out.	In.	Total Corrected.	
									Males.	Females.				
GLASGOW,	1,051,518	1,060,500	1017	950	1967	1851	116	765	733	642	1375	135	27	1267
EDINBURGH,	420,264	426,300	329	299	628	589	39	325	276	268	544	62	11	493
DUNDEE,	168,315	174,800	188	150	338	319	19	130	92	119	211	15	2	198
ABERDEEN,	158,963	158,500	156	143	299	276	23	120	98	89	187	42	19	164
PAISLEY,	84,837	87,900	83	71	154	147	7	47	53	51	104	10	4	98
GREENOCK,	81,123	80,200	85	76	161	156	5	44	45	43	88	8	3	83
MOTHERWELL AND WISHAW,	68,869	70,100	71	56	127	119	8	28	40	24	64	1	10	73
CLYDEBANK,	46,601	48,600	42	63	105	96	9	18	10	10	20	0	14	34
COATBRIDGE,	43,919	44,300	49	66	115	109	6	19	18	16	34	1	3	36
DUNFERMLINE,	39,899	38,200	30	18	48	46	2	15	25	17	42	10	3	35
KIRKCALDY,	39,591	41,100	30	36	66	63	3	18	13	14	27	2	4	29
HAMILTON,	39,504	41,100	37	39	76	71	5	25	18	19	37	2	10	45
KILMARNOCK,	35,911	37,400	39	29	68	63	5	22	22	19	41	7	5	39
AYR,	35,763	37,500	27	29	56	52	4	29	17	27	44	15	1	30
FALKIRK,	33,308	36,000	34	20	54	53	1	20	17	19	36	4	1	33
PERTH,	33,208	33,700	27	26	53	49	4	26	27	27	54	22	1	33
TOTAL . . . (SIXTEEN TOWNS)	2,381,593	2,416,200	2244	2071	4315	4059	256	1651	1504	1404	2908	336	118	2690

TABLE II.—BIRTH-RATES, DEATH-RATES, AND MARRIAGE-RATES
in the Principal Towns, OCTOBER 1928.

TOWNS.	Birth-Rate per 1000 of Population.	Illegitimate Birth-Rate per 100 Births.	Marriage-Rate per 1000 of Population.	DEATH-RATES PER 1000 of POPULATION FROM						DEATHS UNDER ONE YEAR OF AGE.			
				All Causes.		Regis-tered.	Corr. for Trans-fers.	Princi-pal Epidemic Diseases.	All Tubercu-losis.	Tuber-cles of Respiratory System.	All Re-spiratory Diseases.	Number.	* Rate per 1000 Births.
GLASGOW,	21.9	5.9	8.5	15.3	14.1	0.7		0.5	1.3	1.0	3.0	196	98
EDINBURGH,	17.4	6.2	9.0	15.1	13.7	0.2		0.9	0.9	0.7	2.0	35	56
DUNDEE,	22.8	5.6	8.8	14.2	13.4	0.3		0.8	0.8	0.5	2.5	20	67
ABERDEEN,	22.3	7.7	8.9	13.9	12.2	0.5		1.0	0.6	1.4	2.6	26	93
PAISLEY,	20.7	4.5	6.3	14.0	13.2	0.7		0.7	0.9	0.8	1.6	11	72
GREENOCK,	23.7	3.1	6.5	13.0	12.2	0.6		1.8	1.2	1.2	1.8	12	75
MOTHERWELL AND WISHAW,	21.4	6.3	4.7	10.8	12.3	0.7		0.5	0.5	1.7	1.7	11	85
CLYDEBANK,	25.5	8.6	4.4	4.9	8.3	0.0		0.7	0.7	0.5	0.7	6	67
COATBRIDGE,	30.6	5.2	5.1	9.1	9.6	0.0		0.3	0.3	0.0	2.7	4	40
DUNFERMLINE,	14.9	4.2	4.6	13.0	10.8	0.0		0.3	0.3	0.3	1.2	4	75
KIRKCALDY,	18.9	4.5	5.2	7.7	8.3	0.3		0.9	0.3	0.9	0.9	3	48
HAMILTON,	21.8	6.6	7.2	10.6	12.9	0.3		0.9	0.9	0.9	4.0	3	37
KILMARNOCK,	21.5	7.4	7.0	13.0	12.3	0.9		0.9	0.9	0.9	0.6	7	104
AYR,	17.6	7.1	9.1	13.8	9.4	0.9		0.6	0.6	0.6	0.6	6	97
FALKIRK,	17.7	1.9	6.6	11.8	10.8	1.0		1.0	0.7	2.6	4	4	65
PERTH,	18.6	7.5	9.1	18.9	11.6	0.0		0.7	0.7	1.1	2	2	38
TOTAL . . . (SIXTEEN TOWNS)	21.1	5.9	8.1	14.2	13.1	0.5		1.1	0.8	2.3	350	82	

* Based on the average number of births registered monthly during the past 12 months.

TABLE III.—BIRTH-RATE, DEATH-RATE, &c. FOR OCTOBER 1928, AND FOR THE CORRESPONDING MONTH OF THE PRECEDING TEN YEARS, IN THE PRINCIPAL TOWNS.

Month.	Birth-Rate.	Illegitimate Birth-rate per 100 Births.	DEATHS FROM											Mean Temperature Seven Towns only).
			Marriage-Rate.	Death-Rate.	Enteric Fever.	Smallpox.	Measles.	Scarlet Fever.	Whooping-Cough.	Diphtheria.	Diarrhea (Under 2 Years).	* Infantile Mortality Rate.		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	
OCT. 1928, .	21·1	5·9	8·1	13·1	0	0	2	3	13	16	73	82	48°·0	
OCT. 1927, .	20·3	6·2	7·7	13·0	1	0	50	8	27	31	42	87	49°·2	
OCT. 1926, .	21·3	6·2	6·4	11·5	4	0	1	8	6	21	62	82	43°·8	
OCT. 1925, .	22·7	6·7	6·7	12·7	3	0	9	22	17	25	53	95	49°·1	
OCT. 1924, .	23·2	6·9	7·1	12·5	1	0	21	27	47	19	56	80	48°·0	
OCT. 1923, .	24·3	6·4	8·4	11·6	0	0	46	24	18	20	46	66	47°·9	
OCT. 1922, .	23·7	7·3	8·3	11·9	3	0	31	18	22	19	56	77	46°·5	
OCT. 1921, .	26·8	7·5	8·6	12·7	2	0	1	12	20	21	115	89	52°·7	
OCT. 1920, .	27·9	7·9	9·5	12·8	5	9	4	13	15	29	90	90	49°·1	
OCT. 1919, .	29·7	7·5	10·8	11·9	6	0	18	18	14	43	57	92	46°·8	
OCT. 1918, .	22·1	9·1	9·7	28·7	5	0	8	12	63	48	62	138	48°·0	

Figures in columns 5-13 have been corrected for non-resident deaths.

* Per 1000 of the average number of births registered monthly during the past 12 months.

AGGREGATE OF THE SIXTEEN PRINCIPAL TOWNS—October 1928.

CAUSES OF DEATH.	Total.	Males.	Females.	Age.												
				1-10	11-20	21-50	51-100	101-150	151-250	251-350	351-450	451-550	551-650	651-750	751-850	85 & over.
Enteric Fever	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phthisis Fever	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Small-pox	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Smeasles	-	-	-	-	2	1	1	-	2	-	-	-	-	-	-	-
Scarlet Fever	-	-	-	-	3	-	3	-	1	1	-	-	1	-	-	-
Hooping-cough	-	-	-	-	13	8	5	3	7	2	-	-	-	1	-	-
Tuberculosis	-	-	-	-	16	4	12	1	7	5	2	1	-	-	-	-
Influenza	-	-	-	-	45	32	18	-	3	2	-	2	5	9	4	12
Encephalitis Lethargica	-	-	-	-	4	1	3	-	-	-	1	-	1	1	-	-
Spinal Meningitis	-	-	-	-	6	4	2	2	1	-	1	1	-	-	-	-
Other Epidemic Diseases	-	-	-	-	10	7	3	2	1	2	-	1	-	1	2	1
Tuberculosis of Respiratory System	-	-	-	168	93	75	-	-	5	6	34	38	39	34	9	3
Tuberculous Meningitis	-	-	-	19	14	5	6	4	5	-	2	1	-	1	-	-
Tuberculosis of Intestines and Peritoneum	-	-	-	11	4	7	1	2	-	1	6	1	-	-	-	-
Other Tuberculous Disease	-	-	-	17	8	9	1	1	1	2	3	2	4	2	1	-
Malignant Tumours	-	-	-	296	128	168	-	-	-	-	2	8	21	46	93	83
Neumatic Fever	-	-	-	-	8	4	4	-	-	2	-	1	-	1	-	-
Meningitis (not Cer.-spin. or Tuberc.)	-	-	-	15	10	5	6	3	1	1	1	-	1	-	1	-
Poplexy	-	-	-	256	101	155	-	-	-	-	2	1	4	14	54	110
Heart Disease	-	-	-	310	139	171	-	1	-	1	6	13	19	32	60	103
Seas of Arteries	-	-	-	50	26	24	-	-	-	-	-	-	2	3	10	8
Onchitis	-	-	-	181	93	88	19	3	-	-	2	2	8	16	25	55
Pneumonia (all forms)	-	-	-	270	167	103	62	35	9	3	5	16	32	34	27	26
Other Diseases of Respiratory System	-	-	-	28	16	12	1	4	1	-	-	1	2	7	6	5
Diarrhoea and Enteritis (under 2 years)	-	-	-	73	51	22	61	12	-	-	-	-	-	-	-	-
Appendicitis	-	-	-	13	7	6	-	-	1	2	3	-	1	1	4	-
All Diseases of Liver (not Malignant)	-	-	-	20	7	13	1	-	-	-	1	-	1	5	7	2
Nephritis, Acute and Chronic	-	-	-	88	44	44	-	3	-	-	5	1	8	15	23	22
Periperal Sepsis	-	-	-	11	-	11	-	-	-	2	4	5	-	-	-	-
Other Dis. & Accidents of Preg. & Part.	-	-	-	27	-	27	-	-	-	6	11	10	-	-	-	-
Diseases of Early Infancy and Malform.	-	-	-	133	75	58	130	2	1	-	-	-	-	-	-	-
Homicide	-	-	-	18	11	7	-	-	-	-	-	2	1	6	7	2
Other Violent Deaths	-	-	-	119	74	45	5	15	10	6	6	10	8	15	16	14
Other Defined Diseases	-	-	-	415	231	184	47	20	4	1	13	10	31	43	51	70
Causes Ill-defined or Unknown	-	-	-	45	28	17	1	2	1	1	2	-	-	5	13	12
	26100	1388	1302	350	128	53	27	108	124	203	286	415	531	381	81	

DEATHS IN EACH TOWN (corrected for Transfers)—October 1928.

CAUSES OF DEATH.

	Total.	Glasgow.	Edinburgh.	Dundee.	Aberdeen.	Paisley.	Greenock.	Motherwell and Wishaw.	Clydebank.
Enteric Fever	...	...	...	...	...	...	...	...	...
Typhus Fever	...	...	...	...	...	...	...	...	...
Small-pox	...	...	...	...	...	...	...	...	...
Measles	...	2	...	1	...	...	...	1	...
Scarlet Fever	...	3	3	...	...	...	...	...	2
Whooping-cough	...	13	8	1	1	1	1	1	1
Diphtheria	...	16	10	1	...	...	...	...	1
Influenza	...	45	25	6	2	2	1	1	...
Encephalitis Lethargica	...	4	2	...	...	...	1	1	...
Cerebro-spinal Meningitis	...	6	3	1	...	...	...	...	...
Other Epidemic Diseases	...	10	8	1	...	...	...	...	...
Tuberculosis of Respiratory System	...	168	94	25	8	8	6	8	3
Tuberculous Meningitis	...	19	7	5	2	2	...	2	1
Tuber. of Intestines and Peritoneum	...	11	3	2	...	1	1	1	...
Other Tuberculous Disease	...	17	9	2	2	2	...	...	...
Malignant Tumours	...	296	128	75	25	15	17	6	11
Rheumatic Fever	...	8	6	1	...	...	...	...	1
Meningitis (not Cerebro-spinal or Tuber.)	15	7	4	...	1	1	...	2	...
Apoplexy	...	256	96	56	16	26	13	8	9
Heart Disease	...	310	136	68	19	20	13	7	4
Diseases of Arteries	...	50	15	13	7	7	...	2	1
Bronchitis	...	181	102	25	14	4	5	3	4
Pneumonia (all forms)	...	270	159	39	17	14	7	8	4
Other Diseases of Respiratory System	28	6	9	6	1	...	1	2	...
Diarrhoea and Enteritis (under 2 years)	73	43	5	3	6	4	3	1	...
Appendicitis	13	4	3	...	2	...	...	...	1
All Diseases of Liver (not Malignant)	20	11	4	2	...	...	...	...	...
Nephritis, Acute and Chronic	88	34	23	2	6	5	2	2	4
Puerperal Sepsis	...	11	6	...	2	...	...	...	1
Other Diseases and Accidents of Pregnancy and Parturition	...	27	14	3	1	...	1	4	1
Dis. of Early Infancy and Malformations	133	67	10	13	11	6	5	6	4
Suicide	18	7	6	3	...	1	1	...	...
Other Violent Deaths	119	47	26	11	9	3	3	3	3
Other Defined Diseases	415	180	78	37	25	12	12	15	6
Causes Ill-defined or Unknown	...	45	27	1	4	...	1	3	2
All Causes	...	2690	1267	493	198	164	98	83	73
									34

AGE AT DEATH.

Under 1	...	350	196	35	20	26	11	12	11	6
1- 4	...	128	76	8	12	9	1	4	5	1
5- 9	...	53	26	8	6	3	1	3	1	1
10-14	...	27	14	4	...	1	3	1	1	1
15-24	...	108	52	22	7	6	1	9	9	1
25-34	...	124	63	23	8	6	3	6	1	2
35-44	...	203	107	33	11	7	6	6	6	4
45-54	...	286	145	43	21	12	7	11	7	6
55-64	...	415	189	81	31	26	19	6	13	6
65-74	...	531	223	123	39	32	24	16	19	5
75-84	...	384	152	96	33	24	15	7	8	2
85 and over	...	81	24	17	10	12	7	2	1	...
All Ages	...	2690	1267	493	198	164	98	83	73	34

DEATHS IN EACH TOWN (corrected for Transfers)—October 1928—*continued.*

CAUSES OF DEATH.

	Coatbridge.	Dunfermline.	Kirkcaldy.	Hamilton.	Kilmarnock.	Ayr.	Falkirk.	Perth.
Enteric Fever ...	...	...	...	...	...	...	...	...
Typhus Fever ...	...	...	...	...	...	...	...	...
Small-pox ...	...	...	...	...	...	...	...	...
Measles ...	...	...	...	...	...	...	...	...
Scarlet Fever ...	...	...	...	...	...	...	...	...
Whooping-cough ...	...	...	1	...	...	...	...	...
Diphtheria ...	...	...	...	1	...	...	1	...
Influenza ...	...	1	...	2	2	...	3	...
Encephalitis Lethargica ...	...	...	...	...	...	...	...	1
Cerebro-spinal Meningitis ...	...	...	1	...	1	...	...	...
Other Epidemic Diseases ...	...	...	1	...	...	...	...	...
Tuberculosis of Respiratory System ...	...	1	1	3	3	2	2	2
Tuberculous Meningitis ...	...	...	...	...	...	...	...	...
Tuber. of Intestines and Peritoneum ...	1	...	1	...	...	...	1	...
Other Tuberculous Disease ...	...	...	1	...	...	...	...	...
Malignant Tumours ...	2	2	2	1	4	1	1	4
Rheumatic Fever ...	...	...	...	...	...	...	...	...
Meningitis(not Cerebro-spinal or Tuber.) ...	3	3	4	4	7	1	3	4
Apoplexy ...	...	...	...	...	...	...	...	...
Heart Disease ...	5	6	6	4	7	6	3	4
Diseases of Arteries ...	...	...	...	...	1	1	1	1
Bronchitis ...	4	2	3	7	1	2	2	1
Pneumonia (all forms) ...	6	1	...	7	1	...	4	2
Other Diseases of Respiratory System ...	...	1	...	...	3	3	2	...
Diarrhoea and Entiritis (under 2 years) ...	...	...	...	...	...	...	...	...
Appendicitis ...	...	1	...	1	...	1	...	...
All Diseases of Liver (not Malignant) ...	1	...	...	2	...	...	...	...
Nephritis, Acute and Chronic ...	1	...	1	1	1	3	1	2
Puerperal Sepsis ...	1	...	1	...	...	...	...	...
Other Diseases and Accidents of Pregnancy and Parturition ...	1	...	1	1	...	...	...	...
Dis. of Early Infancy and Malformations ...	...	3	...	1	2	1	2	2
Suicide ...	...	...	...	...	...	...	...	...
Other Violent Deaths ...	2	3	1	3	...	1	1	3
Other Defined Diseases ...	8	9	4	7	5	8	4	5
Causes Ill-defined or Unknown ...	1	2	1	...	1	...	...	2
All Causes ...	<u>36</u>	<u>35</u>	<u>29</u>	<u>45</u>	<u>39</u>	<u>30</u>	<u>33</u>	<u>33</u>

AGE AT DEATH.

Under 1 ...	...	...	4	4	3	3	7	6	4	2
1- 4 ...	...	...	3	3	...	2	2	...	...	2
5- 9 ...	...	...	1	...	2	...	...	...	1	...
10-14 ...	...	...	1	...	...	1	...	...	...	1
15-24 ...	...	...	...	1	1	1	1	2	1	2
25-34 ...	...	...	1	3	2	4	...	...	1	1
35-44 ...	...	...	3	3	2	5	3	3	3	2
45-54 ...	...	...	3	3	2	5	5	5	6	5
55-64 ...	...	...	4	5	8	10	5	1	2	9
65-74 ...	...	...	10	6	3	6	6	7	7	5
75-84 ...	...	...	5	6	5	6	8	5	8	4
85 and over ...	...	...	1	1	1	2	2	1	...	...
All Ages ...	<u>36</u>	<u>35</u>	<u>29</u>	<u>45</u>	<u>39</u>	<u>30</u>	<u>33</u>	<u>33</u>		

ABSTRACT OF METEOROLOGICAL OBSERVATIONS

Made at GLASGOW, EDINBURGH, DUNDEE, ABERDEEN, PAISLEY, GREENOCK, and PERTH,

During the Month of OCTOBER 1928.

OBSERVERS.	AIR PRESSURE at 9 A.M. and 9 P.M.		AIR TEMPERATURE.		HYGROMETER.		RAIN, AND OTHER FORMS OF PRE- CIPITATION.		WIND DIRECTIONS								
									Number of Observations at 9 A.M. and 9 P.M.								
	Mean of at Sea-Level and 32°.	Mean at Station-level and 32°.	Mean of Height of Barometer above Sea-level.	Mean of Maximum (A.)	Mean of Minimum (B.)	Absolute Maximum and Minimum.	Mean at 9 A.M. and 9 P.M.	Total Fall.	Difference from Average.	N	NE	E	SE	S	SW	W	NW	Calm or Variable.
GLASGOW, Professor J. R. CURRIE, M.D., The University.	139	29.521	29.674	53.8	43.6	48.7	+1.3	62	8th	31	1, 13	48.8	2.5	°	inch.	per cent.	inch.
EDINBURGH, Professor R. A. SAMPSON, F.R.S., Royal Observatory.	441	29.214	29.694	53.1	43.3	48.2	+0.8	64	8th	32	1st	47.8	2.3	286	83	22	5.68 +2.18
DUNDEE, A. MACRAE, Curator of Cemeteries.	164	29.489	29.670	52.3	41.3	46.8	+0.1	63	8th	29	1st	46.5	1.6	283	87	22	3.00 +0.40
ABERDEEN,* The Meteorological Office.	90	29.560	29.661	53.2	42.4	47.8	+0.5	65	8th	30	23rd	46.9	2.0	276	85	22	3.80 +1.14
PAISLEY, The Coats Observatory.	107	29.562	29.681	53.5	43.6	48.5	+0.1	62	8th	31	1, 13	48.5	1.8	303	87	24	2.83 0.17
GREENOCK,† J. MACALISTER, M.Inst. C.E., Greenock Waterworks.	233	29.422	29.679	53.4	44.4	48.9	+1.4	60	2nd	36	1st	48.5	2.3	293	83	25	10.98 +5.60
PERTH,† J. RITCHIE, The Museum.	22	29.636	29.660	55.0	39.1	47.1	+0.7	64	2, 8	25	1st	47.6	1.5	298	89	22	3.74 +0.79
Means . .	171	29.486	29.674	53.5	42.5	48.0	+0.7	47.8	2.0	288	85	23	5.37 +1.98

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North Latitude.—GLASGOW, 55° 56' 2"; Edinburgh, 55° 55'; Dundee, 56° 28'; Aberdeen, 57° 9'; Paisley, 57° 57'; Greenock, 55° 51'; Perth, 56° 23'; Mean, 56° 14'.
West Longitude.—GLASGOW, 4° 17'; Edinburgh, 3° 11'; Dundee, 2° 57'; Aberdeen, 2° 7'; Paisley, 4° 27'; Greenock, 4° 46'; Perth, 3° 26'; Mean, 3° 36'.* At 7 A.M. and 6 P.M.
† At 9 A.M. only.

For Official Use.

MONTHLY RETURN

OF THE

Births, Deaths, and Marriages

IN

Sixteen of the Principal Towns of Scotland

NOVEMBER 1928.

Published by Authority of the Registrar-General.

REPORT

During the month of November 1928 there were registered in the Sixteen Principal Towns of Scotland, those burghs which at the date of the 1921 Census had populations of over 30,000, the births of 3940 living children, of whom 2039 were males, and 1901 were females. Compared with the number in the previous month, that of males is 205 fewer, of females 170 fewer, and of children of both sexes 375 fewer.

The monthly birth-rate in these towns taken collectively was 19·9 per thousand. This rate is 1·2 less than that of the previous month, and 0·8 less than the November average.

In the individual towns the monthly birth-rate averaged 18·9, and varied from 27·0 in Coatbridge, 21·8 in Glasgow, 21·7 in Greenock, and 21·4 in Hamilton, to 14·8 in Kirkcaldy, 15·0 in Ayr, and 15·8 in Motherwell and Wishaw. In Aberdeen the monthly birth-rate was 19·5, in Dunfermline 19·2, in Clydebank 18·6, in Perth 18·4, in Falkirk 18·3, in Dundee 18·1, in Paisley 17·9, in Kilmarnock 17·6, and in Edinburgh 17·4.

Of the 3940 living children whose births were registered during the month, 3689, or 93·6 per cent., were legitimate, while 251, or 6·4 per cent., were illegitimate. The legitimate children of the month numbered 370 fewer than those of the previous month, and the illegitimate children 5 fewer. The illegitimate rate of the month is 0·5 more than that of the previous month. In the individual towns the illegitimate rate of the month varied from 11·7 in Dunfermline, 9·1 in Aberdeen, 8·5 in Dundee, and 7·4 in Falkirk, to 0·0 in Ayr, 2·7 in Clydebank, 2·8 in Hamilton, and 3·7 in Kilmarnock. In Glasgow this rate was 6·2, and in Edinburgh 6·8.

Marriages registered in these towns during the month numbered 1151, and equalled a marriage-rate of 5·8 per thousand. This number is 500 less than in the previous month. This rate is 2·3 less than that of the previous month, and 0·6 less than the November average. In the individual towns the monthly marriage-rate averaged 5·4, and varied from 8·3 in Perth, 8·2 in Kilmarnock, and 8·0 in Dunfermline, to 3·1 in Motherwell and Wishaw, 3·6 in Ayr, 3·8 in Clyde-

NOTE.—The averages used for comparison are the means of the same rates in the corresponding months of the three preceding years.

bank, and 3·9 in Kirkcaldy. In Glasgow the monthly marriage-rate was 6·3, in Edinburgh 5·8, in Dundee 4·2, and in Aberdeen 7·6.

Deaths registered in these towns numbered 2773, which is 135 fewer than in the previous month. Deducting the deaths of persons with usual residence in Scotland but outwith the town of registration, and adding those of persons dying elsewhere in Scotland but with usual residence in one or other of these towns, the corrected number is found to be 2611, and to include the deaths of 1315 males and 1296 females. The corrected number is 79 less than that of the previous month, that of males being 73 less and that of females 6 less.

The monthly death-rate of these towns taken collectively and based on the corrected number of deaths was 13·2 per thousand, which rate is 0·1 more than that of the previous month, but 2·2 less than the November average. In the individual towns the monthly death-rate averaged 12·1, and varied from 13·9 in Glasgow, 13·8 in Edinburgh, 13·4 in Perth, and 13·1 in Dunfermline, to 9·0 in Clydebank, 10·7 in Kirkcaldy, and 11·4 in Greenock. In Dundee the monthly death-rate was 13·0, in Hamilton 12·8, in Aberdeen 12·3, in Kilmarnock 12·1, in Ayr 12·0, in Paisley 11·9, in Coatbridge 11·6, in Motherwell and Wishaw 11·5, and in Falkirk 11·5.

Deaths of children of less than one year old numbered 406, and equalled an infantile mortality rate of 98 per thousand of the average number of births registered monthly in these towns during the preceding twelve months. These deaths number 56 more than in the previous month. This rate is 16 more than in the previous month, but 24 less than the November average. In the individual towns the infantile mortality rate of the month averaged 87 per thousand, and varied from 138 in Hamilton, 123 in Paisley, 115 in Dunfermline, and 114 in Glasgow, to 47 in Kilmarnock, 50 in Kirkcaldy, 67 in Ayr, and 68 in Falkirk. In Greenock this rate was 103, in Dundee 101, in Motherwell and Wishaw 89, in Coatbridge 82, in Perth 77, in Aberdeen 73, in Edinburgh 69, and in Clydebank 69.

Deaths from the principal epidemic diseases numbered 74, and equalled a death-rate of 0·4 per thousand. These deaths collectively numbered 33 fewer than in the previous month, and 77 less than the November average. They included 1 death from enteric fever, 3 from measles, 6 from scarlet fever, 12 from whooping-cough, 21 from diphtheria, and 31 from the diarrhoeas of childhood. Compared with the number in the previous month, deaths from the diarrhoeas of childhood are 42 fewer, and those from whooping-cough 1 fewer, but those from enteric fever and measles are each 1 more, from scarlet fever 3 more, and from diphtheria 5 more.

Deaths from influenza in all numbered 42, which is 3 fewer than in the previous month. In August these deaths numbered 12, in September 16, and in October 45.

Deaths from respiratory diseases other than phthisis, but exclusive of those associated with influenza, numbered 530, and equalled a death-rate of 2·7 per thousand. These deaths number 51 more than in the previous month. This death-rate is 0·4 more than that of the previous month, but 0·9 less than the November average.

Deaths from all forms of tuberculous disease numbered 198, of which 150 were ascribed to tuberculosis of the respiratory system. The former number is 17 less than that of the previous month, and 29 less than the November average. The latter number is 18 less than in the previous month, and 25 less than the November average.

METEOROLOGICAL NOTES supplied by the Meteorological Office, Edinburgh.

NOVEMBER 1928.

Mean barometric pressure, 29.601 in.; less than the average of 1881-1915 by 0.220 in.

Mean temperature, $44^{\circ}3$; greater by $2^{\circ}2$.

Mean daily range of temperature, $9^{\circ}6$; less by $0^{\circ}1$.

Rain, depth in inches, 4.73; greater by 1.21 in.

Wind, direction of: a 4 days' excess of south-westerly winds.

Pressure was high at first over the Faroes and Iceland; on 9th an anticyclone was centred over the British Isles; but on 10th very unsettled conditions developed. On 16th a deep depression moving on an east-north-easterly tract from the southwest of Ireland caused extremely stormy weather over England; on 23rd another abnormally deep depression crossed Scotland; and yet another passed further north on 25th. Thereafter conditions were comparatively stable. At Edinburgh, at mean sea-level, the extremes were 30.30 in. on 28th, and 28.10 in. on the afternoon of 23rd, the latter being the lowest reading on record for November.

Temperature was moderate or low at first, with ground frosts; but from 10th onwards, with south-westerly winds, much abnormally mild weather was experienced, with temporary falls of temperature in the rear of the various depressions. Highest readings occurred almost everywhere on 10th (63° at Edinburgh, Liberton), though here and there on 29th; and lowest generally on 9th (16° at Braemar and 18° at West Linton). At Edinburgh the minimum in screen did not fall below 32° .

In nearly all districts rainfall was appreciably above the average, notably in south and west; but here and there, as at Balmoral, Crieff and Kelso, there was a trifling deficiency. At Rothesay during the last 120 years the aggregate of 9.19 in. has been exceeded in November only in 1917 (10.44 in.). From 1st-8th slight rain occurred in the east; but little or none in the west. On 9th rain commenced in west and north, with rain on every day thereafter in many districts and some extremely wet periods, notably from 21st to 24th. Amounts exceeding 1 in. were recorded over limited or wide areas on each day from 9th to 14th, and from 16th to 26th, and in the far north on 29th and 30th. On 23rd the whole of Scotland was involved in a considerable rainstorm, with more than 2 in. at e.g. Carsphairn, Arrochar and Inveraray; and at Arrochar the aggregate rainfall from 21st to 24th was nearly 7 inches. In eastern districts there were not a few fine days, especially during the last week, when falls even in the wetter areas were moderate. At Cargen, near Dumfries, the wettest year on record is 1872 with 63.50 in.: the aggregate for the first eleven months of 1928 (64.13 in.) exceeds that amount.

During the third and fourth weeks of the month the weather was at times extremely stormy, and on 23rd a south-westerly gale of exceptional severity did much damage, with flooding in many districts.

Thunderstorms occurred here and there, but in no case widely, between 19th and 23rd, on 25th, and on 29th.

Dense fog occurred, notably in the Clyde area, on 8th-9th.

Sunshine aggregates were, as a rule, rather above the average in eastern districts.

Aurora was frequently observed:—at Lerwick on 13 nights and at Aberdeen on 9. Displays on 13th and 15th were noted as far south as Eskdalemuir.

NOTE.—The mean values refer to those of the Principal Towns named in meteorological Table on p. 88.

TABLE I.—ABSTRACT OF BIRTHS, DEATHS, AND MARRIAGES
in the Principal Towns, NOVEMBER 1928.

TOWNS.	POPULATION.		BIRTHS.					MARRIAGES.	DEATHS.					
	Census 1921.	Estimated to middle of 1928	Males.	Females.	Total.	Legiti-mate.	Illegiti-mate.		Males.	Females.	Total.	REGISTERED	TRANSFERS	Total Corrected.
												Out.	In.	
GLASGOW,	1,051,518	1,060,500	981	918	1899	1782	117	549	663	640	1303	116	25	1212
EDINBURGH,	420,264	426,300	310	297	607	566	41	202	270	255	525	60	18	483
DUNDEE,	168,815	174,800	130	129	259	237	22	60	88	103	191	9	4	186
ABERDEEN.	158,963	158,500	137	116	253	230	23	99	91	84	175	35	20	160
PAISLEY,	84,837	87,900	57	72	129	123	6	37	41	54	95	9	0	86
GREENOCK,	81,123	80,200	69	74	143	135	8	26	34	38	72	2	5	75
MOTHERWELL AND WISHAW,	68,869	70,100	48	43	91	85	6	18	31	28	59	1	8	66
CLYDEBANK,	46,601	48,600	45	29	74	72	2	15	13	13	26	0	10	36
COATBRIDGE,	43,919	44,300	56	42	98	93	5	17	16	22	38	1	5	42
DUNFERMLINE,	39,899	38,200	28	32	60	53	7	25	31	21	52	17	6	41
KIRKCALDY,	39,591	41,100	21	29	50	47	3	13	18	17	35	5	6	36
HAMILTON,	39,504	41,100	41	31	72	70	2	14	16	16	32	1	12	43
KILMARNOCK,	35,911	37,400	30	24	54	52	2	25	18	19	37	4	4	37
AYR,	35,763	37,500	27	19	46	46	0	11	27	21	48	16	5	37
FALKIRK,	33,308	36,000	28	26	54	50	4	17	20	17	37	5	2	34
PERTH,	33,208	33,700	31	20	51	48	3	23	21	27	48	12	1	37
TOTAL . . . (SIXTEEN TOWNS)	2,381,593	2,416,200	2039	1901	3940	3689	251	1151	1398	1375	2773	293	131	2611

TABLE II.—BIRTH-RATES, DEATH-RATES, AND MARRIAGE RATES
in the Principal Towns, NOVEMBER 1928.

TOWNS.	Birth-Rate per 1000 of Population.	Illegitimate Birth-Rate per 100 Births.	Marriage-Rate per 1000 of Population.	DEATH-RATES PER 1000 of POPULATION FROM						DEATHS UNDER ONE YEAR OF AGE.			
				All Causes.		Regis-tered.	Corr. for Trans-fers.	Principal Epidemic Diseases.	All Tuberculosi-s.	Tuberc. of Respiratory System.	All Re-spiratory Diseases.	Number.	* Rate per 1000 Births.
GLASGOW,	21.8	6.2	6.3	15.0	13.9	0.4		1.2	0.9	3.4	221	114	
EDINBURGH,	17.4	6.8	5.8	15.0	13.8	0.2		1.1	0.9	2.5	42	69	
DUNDEE,	18.1	8.5	4.2	13.3	13.0	0.4		0.6	0.5	2.7	29	101	
ABERDEEN,	19.5	9.1	7.6	13.5	12.3	0.4		0.7	0.6	1.5	20	73	
PAISLEY,	17.9	4.7	5.1	13.2	11.9	0.0		1.0	0.7	2.8	18	123	
GREENOCK,	21.7	5.6	4.0	11.0	11.4	0.6		1.1	0.8	1.4	16	103	
MOTHERWELL AND WISHAW,	15.8	6.6	3.1	10.3	11.5	0.3		1.2	0.3	2.4	11	89	
CLYDEBANK,	18.6	2.7	3.8	6.5	9.0	0.8		1.0	0.8	2.0	6	69	
COATBRIDGE,	27.0	5.1	4.7	10.5	11.6	0.8		1.1	1.1	2.5	8	82	
DUNFERMLINE,	19.2	11.7	8.0	16.6	13.1	0.3		0.3	0.3	0.6	6	115	
KIRKCALDY,	14.8	6.0	3.9	10.4	10.7	0.0		0.3	0.3	2.4	3	50	
HAMILTON,	21.4	2.8	4.2	9.5	12.8	0.9		0.6	0.6	2.1	11	138	
KILMARNOCK,	17.6	3.7	8.2	12.1	12.1	0.3		0.7	0.3	1.0	3	47	
AYR,	15.0	0.0	3.6	15.6	12.0	0.7		0.0	0.0	0.7	4	67	
FALKIRK,	18.3	7.4	5.8	12.6	11.5	0.3		1.0	0.3	2.4	4	68	
PERTH,	18.4	5.9	8.3	17.4	13.4	0.0		0.4	0.4	0.7	4	77	
TOTAL . . . (SIXTEEN TOWNS)	19.9	6.4	5.8	14.0	13.2	0.4		1.0	0.8	2.7	406	98	

* Based on the average number of births registered monthly during the past 12 months.

TABLE III.—BIRTH-RATE, DEATH-RATE, &c. FOR NOVEMBER 1928, and for the Corresponding Month of the Preceding Ten Years, in the PRINCIPAL TOWNS.

MONTH.	Birth-Rate.	Birth- rat per 100 Births.	Marriage-Rate.	DEATHS FROM										Mean Temperature, Seven Towns only).
				(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
NOV. 1928, .	19·9	6·4	5·8	13·2	1	0	3	6	12	21	31	98	44°·3	
NOV. 1927, .	19·5	6·5	6·2	14·4	1	0	81	15	17	34	55	119	42°·3	
NOV. 1926, .	21·2	5·6	6·2	15·6	3	0	5	11	8	28	41	111	40°·9	
NOV. 1925, .	21·4	5·9	6·6	16·1	2	0	35	21	18	40	38	126	37°·8	
NOV. 1924, .	21·1	6·8	6·2	15·1	0	0	60	29	77	29	47	103	44°·2	
NOV. 1923, .	22·8	5·8	5·6	13·5	3	0	119	16	35	37	31	73	38°·1	
NOV. 1922, .	21·9	6·7	6·6	14·9	5	0	75	18	52	33	40	102	43°·3	
NOV. 1921, .	25·2	6·9	7·1	14·4	6	0	4	17	11	22	67	84	40°·3	
NOV. 1920, .	26·9	7·5	10·2	15·6	5	4	7	16	21	45	76	110	45°·5	
NOV. 1919, .	28·8	7·5	9·8	14·7	4	0	62	24	11	40	50	114	38°·2	
NOV. 1918, .	19·9	9·2	7·7	25·8	3	0	4	13	52	51	34	138	40° 5	

Figures in columns 5-13 have been corrected for non-resident deaths.

* Per 1000 of the average number of births registered monthly during the past 12 months.

AGGREGATE OF THE SIXTEEN PRINCIPAL TOWNS - November 1928

CAUSES OF DEATH.	Total	Males.	Females.	Age.											
				-1	1-	5-	10-	15-	25-	35-	45-	55-	65-	75-	85 & over.
Anteric Fever	-	-	-	-	1	-	1	-	-	-	-	-	-	-	-
Syphus Fever	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Small-pox	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Smeasles	-	-	-	-	3	1	2	1	2	-	-	-	-	-	-
Scarlet Fever	-	-	-	-	6	3	3	-	2	2	1	1	-	-	-
Hooping-cough	-	-	-	-	12	5	7	6	6	-	-	-	-	-	-
Tuberculosis	-	-	-	-	21	12	9	1	11	4	2	2	-	1	-
Influenza	-	-	-	-	42	19	23	5	2	-	2	3	2	10	4
Cerebralitis Lethargica	-	-	-	-	5	2	3	-	1	1	-	-	-	1	1
Cerebro-spinal Meningitis	-	-	-	-	8	6	2	7	-	-	1	-	-	-	-
Other Epidemic Diseases	-	-	-	-	13	7	6	3	-	2	-	1	1	2	1
Tuberculosis of Respiratory System	-	-	-	150	84	66	-	1	-	3	12	32	27	20	19
Tuberculous Meningitis	-	-	-	19	10	9	4	11	2	1	-	1	-	-	-
Tuberculosis of Intestines and Peritoneum	-	-	-	11	4	7	-	-	2	1	2	3	1	1	-
Other Tuberculous Disease	-	-	-	18	11	7	-	2	1	2	7	2	-	2	-
Malignant Tumours	-	-	-	271	114	157	-	-	1	-	3	5	11	49	80
Rheumatic Fever	-	-	-	10	4	6	-	-	1	1	-	4	-	2	1
Meningitis (not Cer.-spin. or Tuberc.)	-	-	-	8	2	6	5	1	-	-	-	-	1	-	-
Hepatitis	-	-	-	245	108	137	-	-	-	-	-	2	3	19	52
Heart Disease	-	-	-	334	159	175	1	-	2	2	6	13	21	45	98
Diseases of Arteries	-	-	-	34	22	12	-	-	-	1	-	-	1	1	6
Pneumonia	-	-	-	167	85	82	26	2	1	-	2	2	2	9	20
Pneumonia (all forms)	-	-	-	325	178	147	128	47	4	2	6	8	18	25	38
Other Diseases of Respiratory System	-	-	-	35	21	17	5	3	1	2	-	1	2	3	4
Diarrhoea and Enteritis (under 2 years)	-	-	-	31	13	18	30	1	-	-	-	-	-	-	7
Ependicitis	-	-	-	17	10	7	-	2	2	2	-	2	1	2	1
All Diseases of Liver (not Malignant)	-	-	-	21	9	12	-	-	-	-	-	4	2	9	5
Nephritis, Acute and Chronic	-	-	-	68	40	28	-	-	-	1	1	4	8	13	16
General Sepsis	-	-	-	20	-	20	-	-	-	-	3	10	6	1	-
Other Dis. & Accidents of Preg. & Part.	-	-	-	17	-	17	-	-	-	-	13	2	2	-	-
Diseases of Early Infancy and Malform.	-	-	-	148	88	60	148	-	-	-	-	-	-	-	-
Suicide	-	-	-	31	20	11	-	-	-	-	2	1	9	11	5
Other Violent Deaths	-	-	-	100	61	39	1	12	10	3	7	8	13	17	6
Other Defined Diseases	-	-	-	378	190	188	34	14	11	8	9	26	22	46	50
Causes Ill-defined or Unknown	-	-	-	39	24	15	1	1	2	-	1	-	2	3	15
	2611	1315	1296	406	121	49	32	102	141	158	285	394	611	346	66

DEATHS IN EACH TOWN (corrected for Transfers)—November 1928.

CAUSES OF DEATH.				Total.	Glasgow.	Edinburgh.	Dundee.	Aberdeen.	Paisley.	Greenock.	Motherwell and Wishaw.	Clydebank.
Enteric Fever	...	...	...	1	...	1	...	...	...	...	...	...
Typhus Fever	...	...	...	...	...	...	...	...	...	...	...	...
Small-pox	...	...	...	...	...	...	...	...	...	...	...	...
Measles	...	...	...	3	...	...	2	...	...	...	...	...
Scarlet Fever	...	...	...	6	2	2	...	1	1	...	1	2
Whooping-cough	...	...	...	12	5	...	1	1	...	...	2	1
Diphtheria	...	...	...	21	7	2	1	3	...	...	1	1
Influenza	...	...	...	42	21	7	3	1	3	1	3	...
Encephalitis Lethargica	...	...	...	5	4	...	...	...	...	...	...	...
Cerebro-spinal Meningitis	...	...	...	8	6	2	...	...	...	...	...	...
Other Epidemic Diseases	...	...	...	13	3	2	1	1	2	...	...	...
Tuberculosis of Respiratory System	...	150	77	32	7	8	5	5	5	2	3	3
Tuberculous Meningitis	...	19	10	2	...	1	1	1	...	...	3	1
Tuber. of Intestines and Peritoneum	...	11	6	2	...	...	...	...	...	1	1	...
Other Tuberculous Disease	...	18	9	3	2	...	...	...	1	1	1	...
Malignant Tumours	...	271	122	48	29	19	8	8	10	9	5	...
Rheumatic Fever	...	10	6	1	...	...	...	...	...	...	1	...
Meningitis (not Cerebro-spinal or Tuber.)	...	8	6	...	...	...	...	...	1	...	...	...
Apoplexy	...	245	89	55	14	22	12	5	5	4	3	3
Heart Disease	...	334	131	80	26	22	8	8	6	10	...	...
Diseases of Arteries	...	34	15	6	3	2	2	2	1	...	...	...
Bronchitis	...	167	95	28	14	5	5	5	2	3	2	2
Pneumonia (all forms)	...	325	183	51	20	12	14	6	6	8	6	6
Other Diseases of Respiratory System	...	38	17	7	4	3	1	1	1	3	...	...
Diarrhoea and Enteritis (under 2 years)	...	31	21	3	2	1	...	...	1	...	...	...
Appendicitis	...	17	6	1	1	4	1	1	1	...	...	...
All Diseases of Liver (not Malignant)	...	21	10	4	...	1	1	1	...	...	1	...
Nephritis, Acute and Chronic	...	68	31	15	7	6	1	1	...	...	1	1
Puerperal Sepsis	...	20	11	4	...	...	1	1	1	...	...	...
Other Diseases and Accidents of Pregnancy and Parturition	...	17	9	2	1	...	1	2	1	...	...	...
Dis. of Early Infancy and Malformations	...	148	58	22	17	11	6	9	3	2	...	...
Suicide	...	31	10	6	2	4	2	...	1	1	...	...
Other Violent Deaths	...	100	45	19	5	6	2	5	...	1	1	...
Other Defined Diseases	...	378	174	73	22	26	9	12	8	3	3	3
Causes Ill-defined or Unknown	...	39	23	3	2	1	...	1	3	1	1	1
All Causes				2611	1212	483	186	160	86	75	66	36
AGE AT DEATH.												
Under 1	...	...	...	406	221	42	29	20	18	16	11	6
1-4	...	...	...	121	64	13	13	3	5	2	3	4
5-9	...	...	...	49	22	7	4	6	3	2	3	...
10-14	...	...	...	32	19	2	3	1	...	2	1	...
15-24	...	...	...	102	55	15	4	6	1	5	2	1
25-34	...	...	...	141	75	27	7	9	1	6	1	1
35-44	...	...	...	158	77	31	8	8	6	4	2	3
45-54	...	...	...	285	113	47	23	23	12	9	10	7
55-64	...	...	...	394	181	90	32	18	12	9	10	5
65-74	...	...	...	511	214	116	31	34	20	13	14	4
75-84	...	...	...	346	148	72	28	27	8	6	7	3
85 and over	...	...	...	66	23	21	4	5	...	1	2	2
All Ages				2611	1212	483	186	160	86	75	66	36

DEATHS IN EACH TOWN (corrected for Transfers)—November 1928—*continued.*

CAUSES OF DEATH.

		Coatbridge.	Dunfermline.	Kirkcaldy.	Hamilton.	Kilmarnock.	Ayr.	Falkirk.	Perth.
Enteric Fever	...	...	...	...	...	...	...	...	...
Typhus Fever	...	...	...	...	...	...	...	...	...
Small-pox	...	...	...	...	...	...	...	...	...
Measles	...	...	...	...	1	...	...	...	...
Scarlet Fever	...	...	...	...	...	1	...	...	...
Whooping-cough	...	...	...	...	...	...	...	...	...
Diphtheria	...	1	...	...	2	...	2	1	...
Influenza	...	...	...	1	1	...	1	...	...
Encephalitis Lethargica	...	1	...	...	...	...	...	...	...
Cerebro-spinal Meningitis	...	...	...	...	...	...	...	...	...
Other Epidemic Diseases	...	1	1	...	1	1	...	...	...
Tuberculosis of Respiratory System	...	4	1	1	2	1	...	1	1
Tuberculous Meningitis	...	...	...	...	...	1	...	...	...
Tuber. of Intestines and Peritoneum	...	...	...	...	...	...	...	1	...
Other Tuberculous Disease	...	...	...	...	...	...	...	1	...
Malignant Tumours	...	2	2	1	2	2	4	3	5
Rheumatic Fever	...	...	...	...	1	1	...	...	...
Meningitis (not Cerebro-spinal or Tuber.)	1	...	...	...	...	...	...	...	...
Apoplexy	...	4	6	2	4	10	6	5	4
Heart Disease	...	7	9	6	8	6	6	3	3
Diseases of Arteries	...	...	...	1	...	1	...	...	3
Bronchitis	...	3	...	5	2	1	...	1	1
Pneumonia (all forms)	...	6	2	3	4	2	2	5	1
Other Diseases of Respiratory System	...	...	...	...	1	...	...	1	...
Diarrhoea and Entiritis (under 2 years)	2	1	...	...	...	...	...	...	...
Appendicitis	...	1	1	...	1	...	...	...	...
All Diseases of Liver (not Malignant)	...	2	...	1	...	...	...	...	1
Nephritis, Acute and Chronic	...	1	...	1	...	2	...	1	2
Puerperal Sepsis	...	...	...	...	1	...	1	...	1
Other Diseases and Accidents of Pregnancy and Parturition	...	...	1	...	...	...	...	...	...
Dis. of Early Infancy and Malformations	3	3	2	2	1	1	3	2	4
Suicide	...	2	...	1	1	1	...	...	1
Other Violent Deaths	...	1	2	3	3	1	2	3	2
Other Defined Diseases	...	4	8	6	6	5	8	6	8
Causes Ill-defined or Unknown	...	...	3	...	...	...	2	...	...
All Causes	...	42	41	36	43	37	37	34	37

AGE AT DEATH.

Under 1	...	...	...	...	8	6	3	11	3	4	4	4
1- 4	...	...	...	...	3	1	1	3	...	3	3	...
5- 9	...	...	...	...	1	...	...	...	...	...	1	...
10-14	...	...	...	...	3	...	1	...	...	...	...	...
15-24	...	...	...	...	2	2	2	2	3	1	1	...
25-34	...	...	...	...	2	3	...	2	2	2	2	3
35-44	...	...	...	...	1	4	3	3	3	2	1	2
45-54	...	...	...	...	3	6	5	7	2	6	9	3
55-64	...	...	...	...	8	6	8	2	3	2	2	6
65-74	...	...	...	...	8	7	7	6	10	12	7	8
75-84	...	...	...	...	3	5	3	7	10	3	5	11
85 and over	...	...	...	...	...	1	3	...	1	2	1	...
All Ages	...	42	41	36	43	37	37	37	34	37	37	37

ABSTRACT OF METEOROLOGICAL OBSERVATIONS

Made at GLASGOW, EDINBURGH, DUNDEE, ABERDEEN, PAISLEY, GREENOCK, and PERTH,

During the Month of NOVEMBER 1928.

OBSERVERS.	AIR PRESSURE		AIR TEMPERATURE.		HYGROMETER.		RAIN, AND OTHER FORMS OF PRECIPITATION.		WIND DIRECTIONS								
	at 9 A.M. and 9 P.M.		Mean of Absolute Maximum and Minimum.		Mean at 9 A.M. and 9 P.M.		Number of Days.		Number of Observations at 9 A.M. and 9 P.M.								
	Height of Barometer above Sea-level	feet.	inch.	°	°	°	Depression of Wet Bulb.	Humidity.	N	NE	E	SE	S	SW	W	NW	
GLASGOW, Professor J. R. CURRIE, M.D., The University.	29·449	29·604	49·8	40·6	45·2	+2·6	60	12th	31	9th	44·8	2·1	4·47	+0·83	4	0	
EDINBURGH, Professor R. A. SAMPSON, F.R.S., Royal Observatory.	441	29·146	29·626	49·1	40·4	44·7	+2·5	61	12th	32	9th	43·7	2·1	2·97	+0·82	4	1
DUNDEE, A. MACRAE, Curator of Cemeteries.	164	29·408	29·590	47·5	38·6	43·1	+1·8	57	29th	27	9th	42·8	1·5	2·33	+0·82	0	14
ABERDEEN*, The Meteorological Office.	90	29·446	29·548	48·1	39·8	43·9	+1·8	57	13th	26	9th	43·5	1·9	2·40	85	25	3·93
PAISLEY, The Coats Observatory.	107	29·514	29·634	49·6	39·8	44·7	+1·7	59	12th	29	5, 9	44·4	1·7	2·48	86	20	5·87
GREENOCK, [†] J. MACALISTER, M.Inst. C.E., Greenock Waterworks.	233	29·370	29·630	49·5	40·1	44·8	+2·1	59	12th	32	9, 10, 11	44·0	1·7	2·48	86	23	9·87
PERTH, [†] J. RITCHIE, The Museum.	22	29·552	29·577	50·2	37·5	43·9	+2·8	61	12th	22	9th	43·5	3·1	2·06	73	22	2·73
Means . . .	171	29·412	29·601	49·1	39·5	44·3	+2·2	43·7	2·0	2·38	83	21	4·73

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MONTHLY RETURN
OF THE
Births, Deaths, and Marriages
IN
Sixteen of the Principal Towns of Scotland
DECEMBER 1928.

Published by Authority of the Registrar-General.

REPORT

During the month of December 1928 there were registered in the Sixteen Principal Towns of Scotland, those burghs which at the date of the 1921 Census had populations of over 30,000, the births of 3988 living children, of whom 2052 were males, and 1936 were females. Compared with the number registered in the previous month, that of males is 13 more, of females 35 more, and of children of both sexes 48 more.

The monthly birth-rate in these towns taken collectively was 19·5 per thousand, which rate is 0·4 less than that of the previous month, and 1·7 less than the December average.

In the individual towns the monthly birth-rate averaged 18·7, and varied from 23·3 in Clydebank, 22·4 in Greenock, 21·3 in Coatbridge, and 21·2 in Glasgow, to 13·5 in Ayr, 14·2 in Dunfermline, 14·4 in Perth, and 15·8 in Edinburgh. In Hamilton the monthly birth-rate was 20·1, in Aberdeen 19·9, in Falkirk 19·4, in Kirkcaldy 19·2, in Dundee 19·1, in Paisley 19·1, in Motherwell and Wishaw 18·7, and in Kilmarnock 18·3.

Of the 3988 children whose births were registered during the month, 3719, or 93·3 per cent., were legitimate, while 269, or 6·7 per cent., were illegitimate. The legitimate children of the month numbered 30 more than those of the previous month, and the illegitimate children 18 more. The illegitimate rate of the month is 0·3 more than that of the previous month. In the individual towns the illegitimate rate varied from 10·4 per cent. in Kirkcaldy, 9·3 in Ayr, and 8·6 in Aberdeen and in Hamilton, to 0·0 in Dunfermline, 1·7 in Kilmarnock, and 2·1 in Paisley. In Glasgow this rate was 7·5, in Edinburgh 6·0, and in Dundee 7·8.

Marriages registered in these towns during the month numbered 2043, and equalled a monthly marriage-rate of 10·0 per thousand. This number is 892 more than that of the previous month. This rate is 4·2 above that of the previous month, and 1·2 more than the December average. In the individual towns the monthly marriage-rate averaged 9·2, and varied from 12·9 in Aberdeen, and 10·4 in Glasgow and in Ayr, to 6·3 in Kirkcaldy, 6·5 in Dunfermline, and 6·6 in Greenock. In Edinburgh the monthly marriage-rate was 10·0, in Dundee 10·0, and in Paisley 10·1.

NOTE.—The averages used for comparison are the means of the same rates in the corresponding months of the three preceding years.

Deaths registered in these towns during the month numbered 3079, which is 306 more than in the previous month. Deducting the deaths of persons with usual residence in Scotland but outwith the town of registration, and adding those of persons dying elsewhere in Scotland but with usual residence in one or other of these towns, the corrected number is found to be 2891, and to include the deaths of 1468 males and 1423 females. The corrected number of deaths is 280 more than that of the previous month, that of males being 153 and of females 127 more.

The monthly death-rate of these towns taken collectively and based on the corrected number of deaths was 14·1 per thousand, which rate is 0·9 more than that of the previous month, but 3·3 less than the December average. In the individual towns the monthly death-rate averaged 14·4, and varied from 20·8 in Coatbridge, 16·8 in Kilmarnock, 16·2 in Greenock, and 16·1 in Perth, to 10·5 in Dunfermline, 11·4 in Motherwell and Wishaw, and 12·7 in Aberdeen. In Dundee the monthly death-rate was 15·4, in Falkirk 15·1, in Glasgow 14·2, in Ayr 14·2, in Hamilton 14·1, in Edinburgh 13·4, in Paisley 13·4, in Clydebank 13·3, and in Kirkcaldy 13·2.

Deaths of children of less than one year old numbered 411, and equalled an infantile mortality rate of 96 per thousand of the average number of births registered monthly in these towns during the preceding twelve months. These deaths numbered 5 more than in the previous month, but this death-rate is 2 less than that of the previous month, and 34 less than the December average. In the individual towns the infantile mortality rate of the month averaged 106, and ranged from 198 in Clydebank, 162 in Coatbridge, and 159 in Hamilton, to 46 in Kilmarnock, 50 in Aberdeen, 65 in Edinburgh, and 67 in Ayr. In Greenock this rate was 137, in Paisley 132, in Kirkcaldy 129, in Falkirk 115, in Dundee 108, in Glasgow 97, in Motherwell and Wishaw 79, in Perth 77, and in Dunfermline 74.

Deaths from the principal epidemic diseases numbered 80, and equalled a death-rate of 0·4 per thousand. These deaths collectively numbered 6 more than in the previous month, but 150 fewer than the December average. They included 2 deaths from measles, 6 from scarlet fever, 23 from whooping-cough, 24 from diphtheria, and 25 from the diarrhoeas of childhood. Compared with the numbers in the previous month, those from whooping-cough are 11 more, and those from diphtheria are 3 more, but those from scarlet fever are of the same amount, while those from diarrhoea and measles are 6 fewer and 1 fewer respectively. In the previous month there was 1 death from enteric fever, in this month there were none.

Deaths from influenza in all numbered 49, which is 7 more than in the previous month. In September these deaths numbered 16, in October 45, and in November 42.

Deaths from respiratory diseases other than phthisis, but exclusive of those associated with influenza, numbered 639, and equalled a death-rate of 3·1 per thousand. These deaths numbered 109 more than in the previous month. This death-rate is 0·4 more than that of the previous month, but 1·3 less than the December average.

Deaths from all forms of tuberculosis numbered 199, of which 146 were ascribed to tuberculosis of the respiratory system. The former number is 1 more, but the latter 4 less than in the previous month. The former number is 25 less than the December average and the latter is 19 less.

METEOROLOGICAL NOTES supplied by the Meteorological Office, Edinburgh.

DECEMBER 1928.

Mean barometric pressure, 29.916 in.; greater than the average of 1881-1915 by 0.174 in.

Mean temperature, $38^{\circ}6$; less by $0^{\circ}2$.

Mean daily range of temperature, $8^{\circ}7$; less by $0^{\circ}2$.

Rain, depth in inches, 3.89; less by 0.16 in.

Wind, direction of: a 4 days' excess of winds from between north-east and south-east.

During the first few days of the month, pressure over Scotland was moderately high; but with the passage of a depression from the Hebrides eastwards to Norway on 6th, conditions became generally unsettled. From 11th to 15th a high pressure system became established over Norway, and bright cold weather was much in evidence; but on 15th and 16th with the passage of a low pressure area over our Isles, conditions were very unstable with heavy local rains and gales. At Edinburgh, at mean sea-level, the extremes were 30.43 in. on 1st, and 29.19 in. on 10th.

For the first two or three days, temperature maintained a fairly high level, but on 7th and 8th there was a sharp fall, with severe frosts, and temperature was in general low, until after the middle of the month.

From 22nd to 25th there was again a slight rise, followed by a sharp reaction around 28th, during which period many places registered their minimum temperature for the month. The extremes were 55° at Perth on 1st, and 14° at Braemar on 28th.

In some northern districts, and more notably over the Firth of Clyde area, rainfall aggregates were slightly above the normal; but over the greater part of Scotland there was a very slight deficiency.

The 1st was in general dry; from 2nd to on, or around 10th rain fell daily in north-west in moderate amounts (Arrochar 1.09 in., Gruline (Mull), 1.78 in.); but in the east there were only very trifling falls. From 11th to 14th wide areas recorded no precipitation, but on 15th there was again a return to wet weather which continued more or less uninterruptedly until 30th. From 22nd to 25th there was a particularly wet period, with heavy rainfalls in north-western and Loch Fyne areas, with 2.27 in. at Glenquoich on 23rd and 1.80 in. at Inveraray on 22nd.

Wind force was high on 7th, and again around 23rd-24th, 25th and 26th, gales being reported more or less locally on these dates particularly in the Northern Hebrides. Snow fell more or less locally on 7th and 8th and very generally on 14th and 15th, but there was an absence of any particularly heavy falls.

Thunder was reported on 4 days, on 6th in Ayrshire, and on 24th, 25th, 26th in the far north and over western Scotland.

In Orkney and the Hebrides sunshine aggregates were slightly below the normal; but over eastern Scotland there was a slight excess. Thus while Baltasound had only 10 hours for the whole month, Edinburgh had as much as 46 hours.

Aurora was observed in Shetland on 5th, 6th, 7th, 11th, 12th, 13th and 14th, and at Orkney on 5th and 6th; at Gordon Castle and Stornoway on 5th, and Aberdeen on 6th.

NOTE.—The mean values refer to those of the Principal Towns named in meteorological Table on p. 96.

TABLE I.—ABSTRACT OF BIRTHS, DEATHS, AND MARRIAGES
in the Principal Towns, DECEMBER 1928.

TOWNS.	POPULATION.		BIRTHS.					MARRIAGES.	DEATHS.					
	Census 1921.	Estimated to middle of 1928	Males.	Females.	Total.	Legiti-mate.	Illegiti-mate.		Males.	Females.	Total.	Out.	In.	Total Corrected.
GLASGOW,	1,051,518	1,060,500	960	943	1903	1761	142	932	715	674	1389	144	83	1278
EDINBURGH,	420,264	426,300	300	270	570	536	34	361	291	271	562	88	10	484
DUNDEE,	168,815	174,800	152	131	283	261	22	148	114	125	239	14	3	228
ABERDEEN,	158,963	158,500	144	123	267	244	23	173	93	88	181	33	23	171
PAISLEY,	84,837	87,900	76	66	142	139	3	75	56	51	107	9	2	100
GREENOCK,	81,123	80,200	78	74	152	146	6	45	49	61	110	5	5	110
MOTHERWELL AND WISHAW,	68,869	70,100	50	61	111	105	6	45	28	31	59	1	10	68
CLYDEBANK,	46,601	48,600	52	44	96	90	6	33	17	14	31	0	24	55
COATBRIDGE,	43,919	44,300	41	39	80	76	4	29	41	29	70	0	8	78
DUNFERMLINE,	39,899	38,200	22	24	46	46	0	21	14	19	33	7	8	34
KIRKCALDY,	39,591	41,100	38	29	67	60	7	22	27	20	47	3	2	46
HAMILTON,	39,504	41,100	34	36	70	64	6	30	23	20	43	3	9	49
KILMARNOCK,	35,911	37,400	35	23	58	57	1	44	33	22	55	10	8	53
AYR,	35,763	37,500	18	25	43	39	4	33	26	27	53	11	3	45
FALKIRK,	33,308	36,000	33	26	59	56	3	26	25	22	47	4	3	46
PERTH,	33,208	33,700	19	22	41	39	2	26	27	26	53	8	1	46
TOTAL . . . (SIXTEEN TOWNS)	2,381,593	2,416,200	2052	1936	3988	3719	269	2043	1579	1500	3079	340	152	2891

TABLE II.—BIRTH-RATES, DEATH-RATES, AND MARRIAGE-RATES
in the Principal Towns, DECEMBER 1928.

TOWNS.	Birth-Rate per 1000 of Population.	Illegitimate Birth-Rate per 100 Births.	Marriage Rate per 1000 of Population.	DEATH-RATES PER 1000 of POPULATION FROM						DEATHS UNDER ONE YEAR OF AGE.			
				All Causes.		Regis-tered.	Corr. for Trans-fers.	Principal Epidemic Diseases.	All Tubercu-losis.	Tuberc. of Respiratory System.	All Re-spiratory Diseases.	Number.	* Rate per 1000 Births.
GLASGOW,	21·2	7·5	10·4	15·5	14·2	0·5		0·3	0·2	0·8	3·5	195	97
EDINBURGH,	15·8	6·0	10·0	15·6	13·4	0·2		0·9	1·0	0·7	2·4	41	65
DUNDEE,	19·1	7·8	10·0	16·1	15·4	0·1		0·9	0·9	0·7	3·6	32	108
ABERDEEN,	19·9	8·6	12·9	13·5	12·7	0·4		1·0	1·0	0·5	1·7	14	50
PAISLEY,	19·1	2·1	10·1	14·4	13·4	0·4		0·9	0·9	0·5	2·4	20	132
GREENOCK,	22·4	3·9	6·6	16·2	16·2	0·9		0·4	0·4	0·4	4·0	22	137
MOTHERWELL AND WISHAW,	18·7	5·4	7·6	9·9	11·4	0·5		0·3	0·2	2·9	10	79	
CLYDEBANK,	23·3	6·3	8·0	7·5	13·3	0·5		0·5	0·5	0·5	3·9	18	198
COATBRIDGE,	21·3	5·0	7·7	18·6	20·8	0·5		2·1	1·3	6·4	16	16	162
DUNFERMLINE,	14·2	0·0	6·5	10·2	10·5	0·3		1·2	1·2	2·5	4		74
KIRKCALDY,	19·2	10·4	6·3	13·5	13·2	0·3		1·1	0·9	2·0	8		129
HAMILTON,	20·1	8·6	8·6	12·4	14·1	1·1		0·6	0·6	3·4	13		159
KILMARNOCK,	18·3	1·7	13·9	17·4	16·8	0·3		1·6	1·3	4·1	3		46
AYR,	13·5	9·3	10·4	16·7	14·2	0·3		1·3	0·3	1·6	4		67
FALKIRK,	19·4	5·1	8·5	15·4	15·1	0·0		1·3	1·0	3·0	7		115
PERTH,	14·4	4·9	9·1	18·6	16·1	0·4		1·1	1·1	2·5	4		77
TOTAL . . . (SIXTEEN TOWNS)	19·5	6·7	10·0	15·0	14·1	0·4		1·0	0·7	3·1	411		96

* Based on the average number of births registered monthly during the past 12 months.

TABLE III.—BIRTH-RATE, DEATH-RATE, &c. FOR DECEMBER 1928, and for the Corresponding Month of the Preceding Ten Years, in the PRINCIPAL TOWNS.

Month.	Birth-Rate.	Illegitimate Birth-rate per 100 Births.	Marriage-Rate.	DEATHS FROM										Mean Temperature, Seven Towns only).
				Death-Rate.	Enteric Fever.	Smallpox.	Measles.	Scarlet Fever.	Whooping-Cough.	Diphtheria.	Diarrhea (Under 2 Years).	*Infantile Mortality Rate.		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	
DEC. 1928, .	19·5	6·7	10·0	14·1	0	0	2	6	23	24	25	96	38°·6	
DEC. 1927, .	20·3	6·6	9·3	18·2	2	0	193	9	49	51	54	146	35°·7	
DEC. 1926, .	20·6	6·4	8·6	14·9	2	0	12	21	18	39	27	118	40°·4	
DEC. 1925, .	22·6	6·6	8·5	18·7	1	0	67	21	38	42	44	122	35°·1	
DEC. 1924, .	21·3	7·1	9·7	16·7	4	0	96	34	166	29	47	125	44°·5	
DEC. 1923, .	22·7	6·7	9·8	16·1	2	0	190	21	57	32	37	98	37°·8	
DEC. 1922, .	24·1	7·1	9·0	14·2	3	0	92	20	53	34	34	113	41°·3	
DEC. 1921, .	26·1	6·3	10·0	14·7	2	0	77	14	26	32	43	89	43°·3	
DEC. 1920, .	27·3	8·5	13·2	17·6	3	4	12	10	36	36	47	119	38°·7	
DEC. 1919, .	33·0	7·3	14·4	15·5	3	0	60	19	20	47	49	122	38°·9	
DEC. 1918, .	19·4	9·8	10·8	17·7	3	0	3	9	55	40	32	129	41°·1	

Figures in columns 5-13 have been corrected for non-resident deaths.

* Per 1000 of the average number of births registered monthly during the past 12 months.

AGGREGATE OF THE SIXTEEN PRINCIPAL TOWNS—December 1928.

CAUSES OF DEATH.										Age.									
		Total.	Males.	Females.	-1	1-	5-	10-	15-	25-	35-	45-	55-	65-	75-	85 & over			
teric Fever	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
phus Fever	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
mall-pox	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
easles	-	-	-	-	2	1	1	2	-	-	-	-	-	-	-	-	-	-	
arlet Fever	-	-	-	-	6	-	6	-	2	3	-	-	1	-	-	-	-	-	
hooping-cough	-	-	-	-	23	10	13	12	11	-	-	-	-	-	-	-	-	-	
phtheria	-	-	-	-	24	10	14	-	10	11	3	-	-	-	-	-	-	-	
fluenza	-	-	-	-	49	22	27	3	1	1	1	3	3	7	6	11	5	7	
icephalitis Lethargica	-	-	-	-	7	3	4	-	-	-	-	1	1	-	2	3	-	-	
rebro-spinal Meningitis	-	-	-	-	10	6	4	4	2	2	-	1	1	-	-	-	-	-	
her Epidemic Diseases	-	-	-	-	15	10	5	5	4	-	-	1	-	1	1	2	1	-	
berculosis of Respiratory System	-	146	70	76	-	-	1	2	3	43	31	26	28	8	4	-	-	-	
berculous Meningitis	-	-	13	10	3	2	3	2	-	2	1	1	1	-	-	-	-	-	
berculosis of Intestines and Peritoneum	-	14	9	5	1	3	3	-	-	2	2	1	2	-	-	-	-	-	
her Tuberculous Disease	-	-	26	13	13	3	7	1	2	6	2	1	1	3	-	-	-	-	
alignant Tumours	-	-	325	140	185	-	-	-	-	1	7	18	52	89	118	35	5	-	
neumatic Fever	-	-	14	4	10	-	-	2	1	7	2	1	1	-	-	-	-	-	
meningitis (not Cer.-spin. or Tuberc.)	-	-	14	8	6	6	3	1	1	2	-	1	-	-	-	-	-	-	
poliomy	-	-	250	111	139	-	-	-	-	-	-	2	16	53	94	73	11	-	
heart Disease	-	-	351	180	171	-	-	1	1	4	9	12	13	41	78	120	60	12	
seases of Arteries	-	-	33	24	9	-	-	-	-	-	-	1	5	6	9	7	5	-	
ronchitis	-	-	214	117	97	39	8	2	1	2	1	9	14	33	50	43	12	-	
neumonia (all forms)	-	-	378	224	154	117	67	8	1	11	18	21	20	41	40	29	5	-	
her Diseases of Respiratory System	-	47	30	17	-	5	4	-	-	1	1	1	3	6	7	11	7	2	
arrhoea and Enteritis (under 2 years)	-	25	16	9	21	4	-	-	-	-	-	-	-	-	-	-	-	-	
pendicitis	-	-	14	7	7	-	1	2	2	4	-	1	1	1	2	-	-	-	
(1) Diseases of Liver (not Malignant)	-	25	6	19	-	1	-	-	-	1	3	6	7	5	1	1	-	-	
ephritis, Acute and Chronic	-	82	34	48	-	-	1	-	-	3	3	11	13	24	17	6	4	-	
uerperal Sepsis	-	-	13	-	13	-	-	-	-	3	8	2	-	-	-	-	-	-	
her Dis. & Accidents of Preg. & Part.	-	24	-	24	-	-	-	-	-	4	16	4	-	-	-	-	-	-	
seases of Early Infancy and Malform.	-	156	87	69	152	2	-	-	2	-	-	-	-	-	-	-	-	-	
cide	-	-	17	11	6	-	-	-	-	2	2	5	3	4	1	-	-	-	
her Violent Deaths	-	-	110	71	39	8	8	10	2	7	4	8	17	17	12	14	3	-	
her Defined Diseases	-	-	428	213	215	28	16	9	5	13	27	27	41	68	81	81	32	-	
uses Ill-defined or Unknown	-	-	36	21	15	3	4	-	-	1	-	-	9	6	8	4	1	-	
		2891	1468	1423	411	163	61	26	132	144	167	286	462	578	367	94			

DEATHS IN EACH TOWN (corrected for Transfers)—December 1928.

CAUSES OF DEATH.		Total.	Glasgow.	Edinburgh.	Dundee.	Aberdeen.	Paisley.	Greenock.	Motherwell and Wishaw.	Clydebank.
Enteric Fever	...	...	...	...	...	...	...	...	...	...
Typhus Fever	...	...	...	...	...	...	...	...	...	...
Small-pox	...	...	...	...	...	...	...	...	...	...
Measles	...	2	2	...	...	...	...	...	...	...
Scarlet Fever	...	6	3	1	1	1	1	1	1	1
Whooping-cough	...	23	11	...	...	...	...	...	4	3
Diphtheria	...	24	10	3	1	1	1	2	2	2
Influenza	...	49	25	8	7	2	2	2	2	1
Encephalitis Lethargica	...	7	3	2	1	...	...	1	1	...
Cerebro-spinal Meningitis	...	10	4	1	1	...	3	1	1	1
Other Epidemic Diseases	...	15	6	1	1	...	...	1	2	1
Tuberculosis of Respiratory System	...	146	68	25	11	7	4	3	1	2
Tuberculous Meningitis	...	13	5	1	...	4	...	...	...	...
Tuber. of Intestines and Peritoneum	...	14	5	3	...	1	1	...	...	...
Other Tuberculous Disease	...	26	11	6	3	1	2	...	1	...
Malignant Tumours	...	325	149	59	31	23	7	15	4	4
Rheumatic Fever	...	14	4	2	1	1	...	1	3	1
Meningitis (not Cerebro-spinal or Tuber.)	...	14	5	1	...	...	2	2	...	...
Apoplexy	...	250	104	45	19	20	15	14	3	1
Heart Disease	...	351	127	72	30	24	15	11	12	3
Diseases of Arteries	...	33	9	9	1	4	5	1	1	...
Bronchitis	...	214	97	33	14	9	4	14	5	6
Pneumonia (all forms)	...	378	195	44	35	12	13	12	11	9
Other Diseases of Respiratory System	...	47	23	8	4	2	1	1	1	1
Diarrhoea and Enteritis (under 2 years)	...	25	17	2	1	2	1	...	...	...
Appendicitis	...	14	9	1	...	...	1	...	2	...
All Diseases of Liver (not Malignant)	...	25	11	4	1	...	2	...	1	...
Nephritis, Acute and Chronic	...	82	39	22	4	5	1	1	...	...
Puerperal Sepsis	...	13	4	4	1	...	...	...	1	1
Other Diseases and Accidents of Pregnancy and Parturition	...	24	13	2	2	...	...	1	2	...
Dis. of Early Infancy and Malformations	...	156	76	20	12	7	8	7	2	9
Suicide	...	17	4	7	3	1	1	...	...	...
Other Violent Deaths	...	110	51	12	9	10	1	3	3	4
Other Defined Diseases	...	428	167	86	32	33	10	13	8	10
Causes Ill-defined or Unknown	...	36	21	...	4	...	1	1	1	1
All Causes	...	2891	1278	484	228	171	100	110	68	55
AGE AT DEATH.										
Under 1	...	411	195	41	32	14	20	22	10	18
1-4	...	163	86	12	13	10	3	10	8	3
5-9	...	61	25	6	5	3	5	2	1	3
10-14	...	26	11	7	2	...	1	1	1	...
15-24	...	132	61	22	6	8	3	2	6	3
25-34	...	144	57	25	16	9	3	4	9	...
35-44	...	167	83	17	14	7	4	8	6	8
45-54	...	286	145	50	21	13	5	8	3	4
55-64	...	462	211	93	35	31	10	15	8	3
65-74	...	578	248	98	49	34	28	23	12	8
75-84	...	367	132	84	29	32	15	12	3	5
85 and over	...	94	24	29	6	10	3	3	1	...
All Ages	...	2891	1278	484	228	171	100	110	68	55

DEATHS IN EACH TOWN (corrected for Transfers)—December 1928—continued.

CAUSES OF DEATH.									
Enteric Fever	...	...	...	...	...	...	...	...	...
Typhus Fever	...	...	...	...	...	...	...	...	...
Small-pox	...	...	...	...	...	...	...	...	...
Measles	...	...	...	...	...	...	...	...	...
Scarlet Fever	...	...	...	...	...	...	1	...	...
Whooping-cough	...	...	...	...	...	...	1	...	...
Diphtheria	...	...	...	...	1	1	2	1	1
Influenza...	...	...	...	...	...	...	2	1	1
Encephalitis Lethargica	...	...	...	...	1	...	...	...	...
Cerebro-spinal Meningitis	...	...	...	...	...	...	...	1	1
Other Epidemic Diseases	...	...	...	...	...	1	...	...	...
Tuberculosis of Respiratory System	...	5	4	3	2	4	1	3	3
Tuberculous Meningitis	...	1	...	...	...	...	1	1	...
Tuber. of Intestines and Peritoneum	...	2	...	...	...	...	2	...	...
Other Tuberculous Disease	...	...	...	1	...	1	...	...	...
Malignant Tumours	...	7	...	1	3	5	5	8	4
Rheumatic Fever	...	...	...	1	...	...	...	...	...
Meningitis(not Cerebro-spinal or Tuber.)	...	...	1	2	4	3	5	6	3
Apoplexy...	...	4	1	3	4	3	5	5	3
Heart Disease	...	12	4	9	5	7	5	5	10
Diseases of Arteries	...	...	...	2	...	1	...	...	...
Bronchitis	...	9	4	6	3	5	1	2	2
Pneumonia (all forms)	...	15	4	1	8	6	3	7	3
Other Diseases of Respiratory System	...	...	...	...	1	2	1	...	2
Diarrhoea and Entiritis (under 2 years)	...	2	...	...	...	...	...	...	...
Appendicitis	...	...	...	1	...	2	...	1	...
All Diseases of Liver (not Malignant)	...	...	1	...	...	2	...	2	1
Nephritis, Acute and Chronic	...	2	2	...	1	2	2	...	1
Puerperal Sepsis	...	...	...	...	...	...	...	1	1
Other Diseases and Accidents of Pregnancy and Parturition	...	1	...	...	1	1	1	...	...
Dis. of Early Infancy and Malformations	...	2	1	4	3	1	1	2	1
Suicide	...	...	...	...	...	...	...	1	...
Other Violent Deaths	...	2	3	1	4	3	2	...	2
Other Defined Diseases	...	12	8	10	9	5	12	5	8
Causes Ill-defined or Unknown	...	1	...	1	...	2	...	1	2
All Causes	...	78	34	46	49	53	45	46	46
AGE AT DEATH.									
Under 1	...	...	...	16	4	8	13	3	4
1- 4	...	...	...	4	3	2	4	2	1
5- 9	...	...	...	2	...	...	3	1	1
10-14	...	...	...	...	1	...	1	1	...
15-24	...	...	...	2	2	5	4	3	1
25-34	...	...	...	5	5	2	2	2	3
35-44	...	...	...	4	1	1	...	4	4
45-54	...	...	...	13	...	3	2	5	6
55-64	...	...	...	9	5	6	10	7	5
65-74	...	...	...	13	6	8	5	15	10
75-84	...	...	...	8	7	7	5	6	8
85 and over	...	...	...	2	1	3	1	5	4
All Ages	...	78	34	46	49	53	45	46	46

ABSTRACT OF METEOROLOGICAL OBSERVATIONS

Made at GLASGOW, EDINBURGH, DUNDEE, ABERDEEN, PAISLEY, GREENNOCK, and PERTH,
During the Month of DECEMBER 1928.

OBSERVERS.	AIR PRESSURE at 9 A.M. and 9 P.M.		AIR TEMPERATURE.		HYGROMETER.		RAIN, AND OTHER FORMS OF PRE- CIPITATION.		WIND DIRECTIONS						Calm or Variable.											
	Mean at Sea-Level and 32°.		Mean of Absolute Maximum and Minimum.		Mean at 9 A.M. and 9 P.M.		Number of Days.		Number of Observations at 9 A.M. and 9 P.M.																	
	Mean at Station-level and 32°.		Day of Month.		Day of Month.		Total Fall.		N NNE NE S SE SW W NW																	
	Height of Barometer above Sea-level.	feet.	inch.	°	°	°	inch.	in.	°	°	°	°	inch.	inch.	inch.											
GLASGOW, Professor J. R. CURRIE, M.D., The University.	29.764	29.921	43.5	35.8	39.7	40.2	5.2	23, 24, 25	28	15th	39.6	2.0	.203	-0.34	0	2	14	6	6	18	12	2	2			
EDINBURGH, Professor R. A. SAMPSON, F.R.S., Royal Observatory.	29.433	29.924	43.1	34.4	38.7	-0.2	5.2	26th	26	15th	38.8	2.4	.186	.77	14	1.35	-0.29	0	3	5	4	12	9	23	3	
DUNDEE, A. MACRAE, Curator of Cemeteries.	29.726	29.913	41.7	32.3	37.0	-0.6	5.1	24th	27	28th	37.0	1.5	.190	.85	16	2.30	-0.36	0	9	0	14	0	29	0	10	0
ABERDEEN,* The Meteorological Office.	29.781	29.883	42.0	35.5	38.7	+0.1	5.4	1st	29	9th	38.8	2.3	.186	.79	22	2.80	-0.42	0	1	7	4	11	12	14	8	5
PAISLEY, The Coats Observatory.	29.810	29.931	43.9	34.9	39.4	-0.5	5.1	24, 26	25	15th	39.5	1.4	.210	.87	20	5.09	+0.04	7	8	6	12	11	15	2	0	1
GREENOCK,† J. MACALISTER, M.Inst. C.E., Greenock Waterworks.	29.667	29.930	43.6	36.0	39.8	+0.4	5.1	4th	28	15th	39.1	1.7	.200	.85	21	8.28	+0.39	1	2	12	3	15	10	13	4	2
PERTH,† J. RITCHIE, The Museum.	29.885	29.910	43.0	31.1	37.1	-0.4	5.5	1st	23	28th	36.3	1.3	.186	.87	20	3.11	-0.12	0	7	1	12	1	28	0	13	0
Means . .	171	29.724	29.916	43.0	34.3	38.6	-0.2	38.4	1.8	.194	.83	19	3.89	-0.16	1	5	6	8	8	17	9	6	2

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